



DEPARTMENT OF THE ARMY
KANSAS CITY DISTRICT, CORPS OF ENGINEERS
700 FEDERAL BUILDING
KANSAS CITY, MISSOURI 64106-2896

REPLY TO

ATTENTION OF:

Special Projects Section,
Environmental Programs Branch,
Planning, Programs and
Project Management Division

March 16, 2006

Subject: Draft-Final Sampling Plan for the 2006 Groundwater Monitoring Program, Operable Unit No. 2 (Groundwater), Former Nebraska Ordnance Plant, Mead, Nebraska

Mr. Scott Marquess, Remedial Project Manager
U.S. Environmental Protection Agency, Region VII
Superfund Division, Federal Facilities/Special Emphasis Branch
901 N. 5th Street
Kansas City, Kansas 66101

Ms. Melissa Kemling
Nebraska Department of Environmental Quality
P.O. Box 98922
Lincoln, NE 68509-8922

Dear Mr. Marquess and Ms. Kemling:

Enclosed with this letter 2 hard copies and one electronic copy of the subject document.

Please contact me at 816-389-3255 with any questions.

Sincerely,

H. Garth Anderson, P.E.
Project Manager

Enclosure

cc: CENWK-PM-E (Read file) – 3 hard copies, 1 electronic copy
CENWO-HX (St. John) – 1 electronic copy
CENWO-OD-RF (Schwartz) – 1 electronic copy
ECC (Bigelow)
LPNNRD (Angle) – 1 hard copy
Lincoln Water System (Obrist) – 1 electronic copy
Mead Public Library (Information Repository) – 1 hard copy
NHHSS (Isaacs) – 1 hard copy
UNL (Duncan) – 1 hard copy
UNL (Haley) – 1 electronic copy
URS (Tholl) – 1 hard copy



March 16, 2006

U.S. Army Corps of Engineers, Kansas City District
Attn: Mary Lyle
601 East 12th Street
Kansas City, MO 64106-2896

RE: Transmittal of the 2006 Groundwater Monitoring Program (GMP) Sampling Plan – Tables, Figures, and Sampling Rationales for Monitoring Well, Water Supply Well, and Surface Water Sampling, Operable Unit 2, Former Nebraska Ordnance Plant, Mead Nebraska

Regional Office

1746 Cole Boulevard
Building 21, Suite 350
Lakewood, CO 80401

Phone: 303.298.7607
Fax: 303.298.7837

Dear Ms. Lyle:

Enclosed with this letter are the 2006 tables, figures, and sampling rationales to be used in conjunction with the Draft Work Plans, Field Sampling Plans, Quality Assurance Project Plans for Monitoring Well Sampling, Water Supply Sampling, and Operation and Maintenance Sampling dated March 2005. Each year, the GMP is updated to specifically identify all of the changes (wells added/deleted, sampling frequency increased/decreased, etc...) made relative to the previous year. This transmittal comprises the 2006 GMP Sampling Plan.

The following 2006 GMP Sampling Plan tables and figures supersede the corresponding 2005 tables and figures in the Draft Field Sampling Plan for Groundwater Monitoring Well Sampling:

Table 2-3	March 2006 Sampling Event Summary, Monitoring Wells
Table 2-4	June 2006 Sampling Event Summary, Monitoring Wells
Table 2-5	September 2006 Sampling Event Summary, Monitoring Wells
Table 2-6	December 2006 Sampling Event Summary, Monitoring Wells
Figure 2-1	Well Locations Map, March 2006 Sampling Event
Figure 2-2	Well Locations Map, June 2006 Sampling Event
Figure 2-3	Well Locations Map, September 2006 Sampling Event
Figure 2-4	Well Locations Map, December 2006 Sampling Event

The following 2006 tables and figures supersede the corresponding 2005 tables and figures in the Draft Field Sampling Plan for Water Supply Well Sampling:

Table 2-3	March 2006 Sampling Event Summary, Water Supply Wells
Table 2-4	June 2006 Sampling Event Summary, Water Supply Wells
Table 2-5	September 2006 Sampling Event Summary, Water Supply Wells
Table 2-6	December 2006 Sampling Event Summary, Water Supply Wells
Figure 2-2	Water Supply Wells to be Sampled, March 2006
Figure 2-3	Water Supply Wells to be Sampled, June 2006
Figure 2-4	Water Supply Wells to be Sampled, September 2006
Figure 2-5	Water Supply Wells to be Sampled, December 2006

The following 2006 tables and figure supersede the corresponding 2005 tables and figure in Appendix A: Surface Water Sampling in the Draft Work Plan for Monitoring Well Sampling:

Table A-3	Surface Water Sampling Locations, March 2006 Sampling Event
Table A-4	Surface Water Sampling Locations, June 2006 Sampling Event
Table A-5	Surface Water Sampling Locations, September 2006 Sampling Event

Corporate Office

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Table A-6 Surface Water Sampling Locations, December 2006 Sampling Event
Figure A-1 Surface Water Locations to be Sampled Quarterly in 2006

This 2006 GMP Sampling Plan also includes the associated monitoring well sampling rationale and the water supply sampling rationale.

If you have any questions, please contact me at (303) 298-7607, ext. 1146.

Sincerely,

Bradden Bigelow
ECC
Project Manager

Enclosures

MONITORING WELL

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Well Status		Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range		
	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)										
MW-01A*	79.00	109.00	Jun-93 RDX=ND	Jun-95 TCE=ND		Historical Non-Detects cross-gradient from Atlas Missile TCE plume. Upgradient from UNFL-27.	B	AM	17	T-14N	R-9E	NONE
MW-01B*	39.00	79.00	Jun-93 RDX=ND	Jun-95 TCE=ND		Historical Non-Detects cross-gradient from Atlas Missile TCE plume. Upgradient from UNFL-27.	B	AM	17	T-14N	R-9E	NONE
MW-02A*	67.70	96.90	Dec-00 RDX=ND	Sep-03 TCE=12.8		LL1 RDX/TCE plume; data from this location is not necessary for 2006 planned activities.	C	LL1	23	T-14N	R-8E	NONE
MW-02B*	34.30	63.50	Dec-00 RDX=1.3	Sep-03 TCE=5.46		LL1 RDX/TCE plume; data from this location is not necessary for 2006 planned activities.	C	LL1	23	T-14N	R-8E	NONE
MW-03A*	97.00	145.80	Jun-95 RDX=1.7	Jun-95 TCE=ND		Historical Non-Detects and low-level detects at edge of LL1 RDX/TCE plume.	B	LL1	23	T-14N	R-8E	NONE
MW-03B*	39.90	98.39	Jun-95 RDX=0.81	Jun-95 TCE=ND		Historical Non-Detects and low-level detects at edge of LL1 RDX/TCE plume.	B	LL1	23	T-14N	R-8E	NONE
MW-04A*	74.20	103.50	Mar-03 RDX=1.05	May-93 TCE=ND		LL2 RDX plume; not pertinent for plume delineation or containment. Area already monitored as part of O&M sampling around GCW-2.	B	LL2	24	T-14N	R-8E	NONE
MW-04B*	32.10	71.20	Mar-03 RDX=12.2	May-93 TCE=ND		LL2 RDX plume; not pertinent for plume delineation or containment. Area already monitored as part of O&M sampling around GCW-2.	B	LL2	24	T-14N	R-8E	NONE
MW-05A*	61.80	100.80	Sep-03 RDX=ND	Sep-03 TCE=1.83		LL2 RDX plume; not pertinent for plume delineation or containment. Area already monitored as part of O&M sampling around GCW-2.	B	LL2	24	T-14N	R-9E	NONE
MW-05B*	30.00	59.30	Sep-03 RDX=30.9	Jun-95 TCE=ND		LL2 RDX plume; not pertinent for plume delineation or containment. Area already monitored as part of O&M sampling around GCW-2.	B	LL2	24	T-14N	R-9E	NONE
MW-06A*	61.00	100.00	Jun-95 RDX=ND	Jun-93 TCE=ND		Historical Non-Detects cross-gradient from LL3 RDX plume.	B	LL3	19	T-14N	R-9E	NONE
MW-06B*	34.80	64.00	Jun-95 RDX=ND	Jun-93 TCE=ND		Historical Non-Detects cross-gradient from LL3 RDX plume.	B	LL3	19	T-14N	R-9E	NONE
MW-07A*	70.20	99.50	Jun-95 RDX=ND	Jun-93 TCE=ND		LL3 RDX plume; data from this location is not necessary for 2006 planned activities.	C	LL3	19	T-14N	R-9E	NONE
MW-07B*	34.70	73.70	Mar-03 RDX=1.54	Jun-93 TCE=ND		LL3 RDX plume; data from this location is not necessary for 2006 planned activities.	C	LL3	19	T-14N	R-9E	NONE
MW-08A*	84.00	123.00	Jun-95 RDX=ND	Jun-95 TCE=0.6		LL4 RDX plume; not pertinent to RDX plume delineation or containment.	B	LL4	20	T-14N	R-9E	NONE
MW-08B*	42.10	81.00	Mar-03 RDX=1.42	Jun-95 TCE=ND		LL4 RDX plume; not pertinent to RDX plume delineation or containment.	B	LL4	20	T-14N	R-9E	NONE
MW-09A*	89.00	128.00	Jun-04 RDX=ND	Jun-05 TCE=200	Annual	E, V Evaluate concentrations in Atlas Missile plume boundary and within LL4 plume.	B	AM	20	T-14N	R-9E	Added annual monitoring of explosives and VOCs.
MW-09B*	46.30	85.30	Jun-04 RDX=ND	Jun-05 TCE=150	Annual	E, V Evaluate concentrations in Atlas Missile plume boundary and within LL4 plume.	B	AM	20	T-14N	R-9E	Added annual monitoring of explosives and VOCs.
MW-09D	131.00	136.00	Jun-04 RDX=ND	Jun-05 TCE=210	Annual	E, V Evaluate concentrations in Atlas Missile plume boundary and within LL4 plume.	B	AM	20	T-14N	R-9E	Added annual monitoring of explosives and VOCs.
MW-10A*	61.40	100.40	Sep-05 RDX=0.08	Sep-05 TCE=ND	Semi-Annual	E, V Evaluate recent detections of TCE south of EW-8 and EW-11. Provide data useful in evaluating containment once EW-12 and EW-11 on and EW-8 off.	B	LL1	35	T-14N	R-8E	NONE
MW-10B*	33.00	62.20	Sep-05 RDX=0.079	Sep-05 TCE=ND	Semi-Annual	E, V Evaluate recent detections of TCE south of EW-8 and EW-11. Provide data useful in evaluating containment once EW-12 and EW-11 on and EW-8 off.	B	LL1	35	T-14N	R-8E	NONE
MW-11*	18.80	48.00	Jun-95 RDX=7.7	Jun-95 TCE=ND	Annual	E, V Evaluate historically decreasing trends in contaminant concentrations. Last sampled in 1995.	B	AM	16	T-14N	R-9E	Added annual monitoring of explosives and VOCs.
MW-12*	27.60	37.30	Jun-93 RDX=ND	Jun-95 TCE=18		LL1 RDX/TCE plume; data from this location is not necessary for 2006 planned activities.	C	LL1	23	T-14N	R-8E	NONE
MW-13*	29.50	39.20	Jun-93 RDX=ND	Jun-93 TCE=ND		Historical Non-Detects upgradient from LL2 RDX plume.	D	LL2	13	T-14N	R-8E	NONE
MW-14*	38.60	48.30	Jun-95 RDX=ND	Jun-95 TCE=ND		Historical Non-Detects upgradient from LL3 RDX plume.	D	LL3	19	T-14N	R-9E	NONE
MW-15*	37.00	46.70	Jun-95 RDX=ND	Jun-95 TCE=ND		Data from this location is not necessary for 2006 planned activities.	C	AM	17	T-14N	R-9E	NONE
MW-16B*	NA	NA	Jun-95 RDX=ND	May-93 TCE=ND		RDX area upgradient of LL1 RDX/TCE plume. Data from this location is not necessary for 2006 planned activities.	C	LL1	14	T-14N	R-8E	NONE
MW-16C*	31.00	41.00	Jun-95 RDX=3	May-93 TCE=ND		RDX area upgradient of LL1 RDX/TCE plume. Data from this location is not necessary for 2006 planned activities.	C	LL1	14	T-14N	R-8E	NONE
MW-17A*	72.10	77.10	Mar-05 RDX=ND	Mar-05 TCE=ND		Historically non-detect. Location not in close proximity to LL1 plume for plume delineation and containment.	B	LL1	26	T-14N	R-8E	Not included in 2006 GMP sampling.
MW-17B*	50.40	55.80	Mar-05 RDX=ND	Mar-05 TCE=ND		Historically non-detect. Location not in close proximity to LL1 plume for plume delineation and containment.	B	LL1	26	T-14N	R-8E	Not included in 2006 GMP sampling.
MW-17C*	7.20	17.20	Mar-04 RDX=0.62	Sep-04 TCE=ND		Historically non-detect. Location not in close proximity to LL1 plume for plume delineation and containment.	B	LL1	26	T-14N	R-8E	Not included in 2006 GMP sampling.
MW-18A*	122.00	125.00	Mar-05 RDX=ND	Mar-05 TCE=ND	Semi-Annual	E, V Provide data to evaluate the mixed RDX and TCE plumes	C	AM	21	T-14N	R-9E	Added semi-annual monitoring of explosives and VOCs.
MW-18B*	NA	NA	Jun-95 RDX=ND	Jun-95 TCE=0.6	Semi-Annual	E, V Provide data to evaluate the mixed RDX and TCE plumes	C	AM	21	T-14N	R-9E	Added semi-annual monitoring of explosives and VOCs.
MW-18C*	36.70	46.70	Mar-03 RDX=5.72	Mar-03 TCE=30.8	Semi-Annual	E, V Provide data to evaluate the mixed RDX and TCE plumes	C	AM	21	T-14N	R-9E	Added semi-annual monitoring of explosives and VOCs.
MW-19A*	125.00	128.00	Jul-97 RDX=ND	Jul-97 TCE=ND	Annual	V Provide upgradient background data for the Atlas Plume	D	AM	8	T-14N	R-9E	Added annual monitoring of VOCs.

Changes from 2005 to 2006

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Well Status		Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range			
	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)											
MW-19B*	99.00	104.00	Jul-97 RDX=ND	Jul-97 TCE=ND	Annual	V	Provide upgradient background data for the Atlas Plume	D	AM	8	T-14N	R-9E	Added annual monitoring of VOCs.
MW-19C*	10.40	48.50	Jul-97 RDX=ND	Jul-97 TCE=ND	Annual	V	Provide upgradient background data for the Atlas Plume	D	AM	8	T-14N	R-9E	Added annual monitoring of VOCs.
MW-20A*	145.00	150.40	Sep-05 RDX=ND	Sep-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of LL2 Plume leading edge. Evaluate containment system. No upgradient EW.	A	LL2	31	T-14N	R-9E	Continue monitoring for explosives semi-annually. Reduce VOC sampling to annual.
MW-20B*	128.60	133.60	Sep-05 RDX=ND	Sep-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of LL2 Plume leading edge. Evaluate containment system. No upgradient EW.	A	LL2	31	T-14N	R-9E	Continue monitoring for explosives semi-annually. Reduce VOC sampling to annual.
MW-20C*	50.30	60.30	Sep-03 RDX=ND	Sep-03 TCE=0.71	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of LL2 Plume leading edge. Evaluate containment system. No upgradient EW. Typically insufficient volume to sample. Trace levels of TCE	A	LL2	31	T-14N	R-9E	Continue monitoring for explosives semi-annually. Reduce VOC sampling to annual.
MW-21A	116.00	126.00	Oct-05 RDX=ND	Oct-05 TCE=33	Annual	E, V	Monitor RDX and TCE concentration trends of combined LL1 plume in preparation of EW-11 startup (as well as taking EW-8 offline).	C	LL1	23	T-14N	R-8E	NONE
MW-21B	66.00	76.00	Oct-05 RDX=11.2	Oct-05 TCE=54	Annual	E, V	Monitor RDX and TCE concentration trends of combined LL1 plume in preparation of EW-11 startup (as well as taking EW-8 offline).	C	LL1	23	T-14N	R-8E	NONE
MW-21D	133.00	138.00	Oct-05 RDX=ND	Oct-05 TCE=170	Annual	E, V	Monitor RDX and TCE concentration trends of combined LL1 plume in preparation of EW-11 startup (as well as taking EW-8 offline).	C	LL1	23	T-14N	R-8E	NONE
MW-22A	87.80	97.80	Jun-95 RDX=ND	Jun-95 TCE=ND			Historical Non-Detects or low-level detects upgradient from LL1 RDX plume.	D	LL1	14	T-14N	R-8E	NONE
MW-22B	58.00	68.00	Jun-95 RDX=0.69	Jun-95 TCE=ND			Historical Non-Detects upgradient from LL1 RDX plume.	D	LL1	14	T-14N	R-8E	NONE
MW-23A	88.50	98.50	Jun-95 RDX=ND	Mar-03 TCE=ND			Data from this location is not necessary for 2006 planned activities.	C	LL1	14	T-14N	R-8E	NONE
MW-23B	67.50	77.50	Sep-03 RDX=ND	Sep-03 TCE=3.39			Data from this location is not necessary for 2006 planned activities.	C	LL1	14	T-14N	R-8E	NONE
MW-24A	111.50	121.50	Mar-05 RDX=ND	Mar-05 TCE=160	Annual	E, V	Monitor RDX and TCE concentration trends of combined LL1 plume in preparation of EW-11 startup (as well as taking EW-8 offline).	C	LL1	25	T-14N	R-8E	NONE
MW-24B	56.00	66.00	Mar-05 RDX=0.774	Mar-05 TCE=82	Annual	E, V	Monitor RDX and TCE concentration trends of combined LL1 plume in preparation of EW-11 startup (as well as taking EW-8 offline).	C	LL1	25	T-14N	R-8E	NONE
MW-25A	145.00	155.00	Mar-03 RDX=ND	Mar-03 TCE=ND			Data from this location is not necessary for 2006 planned activities.	B	LL1	24	T-14N	R-8E	NONE
MW-25B	74.00	84.00	Mar-03 RDX=ND	Mar-03 TCE=2.53			Data from this location is not necessary for 2006 planned activities.	B	LL1	24	T-14N	R-8E	NONE
MW-25D	163.20	168.20	Mar-03 RDX=ND	Mar-03 TCE=ND			Data from this location is not necessary for 2006 planned activities.	B	LL1	24	T-14N	R-8E	NONE
MW-26A	92.50	102.50	May-93 RDX=ND	May-93 TCE=ND			Historical Non-Detects upgradient from LL2 RDX plume.	D	LL2	24	T-14N	R-8E	NONE
MW-26B	66.00	76.00	May-93 RDX=ND	May-93 TCE=ND			Historical Non-Detects upgradient from LL2 RDX plume.	D	LL2	24	T-14N	R-8E	NONE
MW-27A	96.00	106.00	May-93 RDX=ND	May-93 TCE=ND			Historical Non-Detects upgradient from LL2 RDX plume.	D	LL2	24	T-14N	R-8E	NONE
MW-27B	61.50	71.50	May-93 RDX=ND	May-93 TCE=ND			Historical Non-Detects upgradient from LL2 RDX plume.	D	LL2	24	T-14N	R-8E	NONE
MW-28A	127.60	137.60	Mar-05 RDX=ND	Sep-04 TCE=ND	Semi-Annual	E	Monitor RDX concentrations along west edge of LL2 Plume for plume definition.	A	LL2	25	T-14N	R-8E	NONE
MW-28B	67.50	77.50	Mar-05 RDX=11.3	Sep-04 TCE=ND	Semi-Annual	E	Monitor RDX concentrations along west edge of LL2 Plume for plume definition.	A	LL2	25	T-14N	R-8E	NONE
MW-28D	144.00	149.00	Sep-04 RDX=ND	Sep-04 TCE=ND	Semi-Annual	E	Monitor RDX concentrations along west edge of LL2 Plume for plume definition.	A	LL2	25	T-14N	R-8E	NONE
MW-29A	122.60	132.60	Sep-05 RDX=1.65	Sep-04 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor decreasing RDX concentrations along west edge of LL2 Plume for plume definition. Monitor VOCs entering the extraction wells.	A	LL2	30	T-14N	R-9E	Continue monitoring for explosives semiannually. Add VOC monitoring annually.
MW-29B	64.50	74.50	Sep-04 RDX=ND	Sep-04 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor decreasing RDX concentrations along west edge of LL2 Plume for plume definition. Monitor VOCs entering the extraction wells.	A	LL2	30	T-14N	R-9E	Continue monitoring for explosives semiannually. Add VOC monitoring annually.
MW-30A	94.00	99.00	Dec-94 RDX=ND	Jun-93 TCE=ND			Historical Non-Detects cross-gradient from LL3 RDX plume.	B	LL3	19	T-14N	R-9E	None
MW-30B	59.50	69.50	Dec-94 RDX=ND	Jun-93 TCE=ND			Historical Non-Detects cross-gradient from LL3 RDX plume.	B	LL3	19	T-14N	R-9E	None
MW-31A	94.50	104.50	Mar-05 RDX=ND	Sep-04 TCE=ND	Annual	E	Verify decreasing RDX concentrations in LL2 plume.	C	LL2	30	T-14N	R-9E	None
MW-31B	50.00	60.00	Mar-05 RDX=2.53	Sep-04 TCE=ND	Annual	E	Verify decreasing RDX concentrations in LL2 plume.	C	LL2	30	T-14N	R-9E	None
MW-32A	88.50	98.50	Mar-05 RDX=9.39	Mar-04 TCE=ND	Annual	E, V	Monitor increasing RDX concentrations upgradient of EW-6 and EW-7. Monitor VOCs entering the extraction wells.	C	LL2	29	T-14N	R-9E	Continue monitoring for explosives annually. Add VOC monitoring annually.
MW-32B	71.00	81.00	Mar-05 RDX=2.47	Mar-04 TCE=ND	Annual	E, V	Monitor increasing RDX concentrations upgradient of EW-6 and EW-7. Monitor VOCs entering the extraction wells.	C	LL2	29	T-14N	R-9E	Continue monitoring for explosives annually. Add VOC monitoring annually.
MW-32D	106.50	111.50	Mar-05 RDX=6.47	Mar-04 TCE=ND	Annual	E, V	Monitor increasing RDX concentrations upgradient of EW-6 and EW-7. Monitor VOCs entering the extraction wells.	C	LL2	29	T-14N	R-9E	Continue monitoring for explosives annually. Add VOC monitoring annually.
MW-33A	100.50	110.50	Mar-05 RDX=5.35	Mar-05 TCE=1.1	Annual	E	Verify decreasing RDX concentrations upgradient of EW-4 and EW-5. VOC historically non-detect.	C	LL3	29	T-14N	R-9E	Continue monitoring explosives annually, remove VOC sampling.
MW-33B	73.50	83.50	Mar-05 RDX=1.14	Mar-05 TCE=1.7	Annual	E	Verify decreasing RDX concentrations upgradient of EW-4 and EW-5. VOC historically non-detect.	C	LL3	29	T-14N	R-9E	Continue monitoring explosives annually, remove VOC sampling.

Changes from 2005 to 2006

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Well Status		Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range		Changes from 2005 to 2006	
	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)											
MW-33D	120.00	125.00	Mar-05 RDX=ND	Mar-05 TCE=0.13	Annual	E	Verify decreasing RDX concentrations upgradient of EW-4 and EW-5. VOC historically non-detect.	C	LL3	29	T-14N	R-9E	Added annual monitoring of explosives.
MW-34A	102.00	112.00	Oct-05 RDX=0.21	Mar-04 TCE=ND	Annual	E, V	Monitor RDX concentrations upgradient of EW-5. Reduce to annual sampling for explosives, because of historically low RDX in MW-34A and decreasing RDX in upgradient MW-33A. Monitor VOCs entering the extraction wells.	C	LL3	28	T-14N	R-9E	Reduce to annual sampling for explosives. Add VOC monitoring annually.
MW-34B	65.00	75.00	Oct-05 RDX=0.56	Mar-04 TCE=ND	Annual	E, V	Monitor RDX concentrations upgradient of EW-5. Reduce to annual sampling for explosives, because of historically low RDX in MW-34A and decreasing RDX in upgradient MW-33A. Monitor VOCs entering the extraction wells.	C	LL3	28	T-14N	R-9E	Reduce to annual sampling for explosives. Add VOC monitoring annually.
MW-34D	120.00	125.00	Mar-04 RDX=ND	Mar-04 TCE=ND	Annual	E, V	Monitor RDX concentrations upgradient of EW-5. Reduce to annual sampling for explosives, because of historically low RDX in MW-34A and decreasing RDX in upgradient MW-33A. Monitor VOCs entering the extraction wells.	C	LL3	28	T-14N	R-9E	Reduce to annual sampling for explosives. Add VOC monitoring annually.
MW-35A	81.50	91.50	Oct-05 RDX=0.25	Sep-04 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-3 for containment evaluation. Reduce explosives sampling frequency to semiannual because of decreasing RDX in MW-35A and RDX in MW-34A.	A	LL3	33	T-14N	R-9E	Reduce sampling frequency to semiannual for explosives, annual for VOCs. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-35B	57.00	67.00	Oct-05 RDX=0.34	Sep-04 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-3 for containment evaluation. Reduce explosives sampling frequency to semiannual because of RDX concentrations in MW-35B and decreasing RDX in MW-34B.	A	LL3	33	T-14N	R-9E	Reduce sampling frequency to semiannual for explosives, annual for VOCs. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-35D	100.50	105.50	Oct-05 RDX=ND	Sep-04 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-3 for containment evaluation. Reduce explosives sampling frequency to semiannual because of infrequent concentrations RDX in MW-35D and no historical RDX in MW-34D.	A	LL3	33	T-14N	R-9E	Reduce sampling frequency to semiannual for explosives, annual for VOCs. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-36A	28.00	38.00	Mar-05 RDX=ND	Mar-05 TCE=41	Semi-Annual	E, V	Monitor TCE concentration upgradient of EW-1.	A	AM	34	T-14N	R-9E	NONE
MW-36B	17.00	27.00	Mar-05 RDX=ND	Mar-05 TCE=38	Semi-Annual	E, V	Monitor TCE concentration upgradient of EW-1.	A	AM	34	T-14N	R-9E	NONE
MW-36D	43.00	48.00	Mar-05 RDX=ND	Sep-04 TCE=ND	Semi-Annual	E, V	Monitor TCE concentration upgradient of EW-1.	A	AM	34	T-14N	R-9E	NONE
MW-37A	30.50	40.50	Oct-05 RDX=ND	Oct-05 TCE=0.12	Semi-Annual	E, V	Monitor downgradient of extraction well system. Reduce explosives and VOC sampling frequency to semiannual because of no historical detections.	A	LL3	3	T-13N	R-9E	Reduce explosives and VOC sampling frequency to semiannual. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-37B	24.00	29.00	Oct-05 RDX=ND	Oct-05 TCE=0.12	Semi-Annual	E, V	Monitor downgradient of extraction well system. Reduce explosives and VOC sampling frequency to semiannual because of no historical detections.	A	LL3	3	T-13N	R-9E	Reduce explosives and VOC sampling frequency to semiannual. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-37D	45.50	50.50	Oct-05 RDX=ND	Oct-05 TCE=0.12	Semi-Annual	E, V	Monitor downgradient of extraction well system. Reduce explosives and VOC sampling frequency to semiannual because of no historical detections.	A	LL3	3	T-13N	R-9E	Reduce explosives and VOC sampling frequency to semiannual. Sampling frequency temporarily increased in 2005 due to MW-85 investigation.
MW-38A	44.70	49.20	Mar-04 RDX=ND	Oct-05 TCE=0.12	Annual	E, V	Cross-gradient of plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	35	T-14N	R-9E	NONE
MW-38D	58.50	63.50	Mar-04 RDX=ND	Oct-05 TCE=ND	Annual	E, V	Cross-gradient of plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	35	T-14N	R-9E	NONE
MW-39A	44.00	48.50	Jun-95 RDX=ND	Jun-95 TCE=ND	Annual	E, V	Cross-gradient of plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	35	T-14N	R-9E	NONE
MW-39D	52.50	55.30	Jun-95 RDX=ND	Jun-95 TCE=ND	Annual	E, V	Cross-gradient of plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	35	T-14N	R-9E	NONE
MW-41A	71.50	81.50	Jun-93 RDX=ND	Oct-05 TCE=ND	Semi-Annual	V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	16	T-14N	R-9E	NONE
MW-41B	36.00	46.00	Jun-93 RDX=ND	Oct-05 TCE=ND	Semi-Annual	V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	16	T-14N	R-9E	NONE
MW-41D	87.00	92.00	Jun-93 RDX=ND	Oct-05 TCE=ND	Semi-Annual	V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	16	T-14N	R-9E	NONE
MW-42A	86.00	96.00	Mar-05 RDX=3.66	Mar-05 TCE=ND	Semi-Annual	E, V	Monitor LL4 (RDX) plume and western boundary of Atlas plume (TCE); monitor area upgradient of WSW-52C (RDX); monitor concentrations approaching EW-2 and EW-3 (RDX & TCE)	C	LL4	28	T-14N	R-9E	Increased to semi-annual sampling for both explosives and VOCs.
MW-42B	53.00	63.00	Mar-05 RDX=0.253	Mar-05 TCE=ND	Semi-Annual	E, V	Monitor LL4 (RDX) plume and western boundary of Atlas plume (TCE); monitor area upgradient of WSW-52C (RDX); monitor concentrations approaching EW-2 and EW-3 (RDX & TCE)	C	LL4	28	T-14N	R-9E	Increased to semi-annual sampling for both explosives and VOCs.
MW-42D	103.20	108.20	Mar-05 RDX=2.05	Mar-05 TCE=ND	Semi-Annual	E, V	Monitor LL4 (RDX) plume and western boundary of Atlas plume (TCE); monitor area upgradient of WSW-52C (RDX); monitor concentrations approaching EW-2 and EW-3 (RDX & TCE)	C	LL4	28	T-14N	R-9E	Increased to semi-annual sampling for both explosives and VOCs.
MW-43A	90.50	100.50	Oct-05 RDX=ND	Oct-05 TCE=13	Semi-Annual	E, V	Monitor trends in combined plume.	C	AM	21	T-14N	R-9E	NONE
MW-43B	40.00	50.00	Oct-05 RDX=20.5	Oct-05 TCE=8.7	Semi-Annual	E, V	Monitor trends in combined plume.	C	AM	21	T-14N	R-9E	NONE
MW-43D	106.40	111.40	Mar-04 RDX=ND	Oct-05 TCE=2.6	Semi-Annual	E, V	Monitor trends in combined plume.	C	AM	21	T-14N	R-9E	Continue monitoring VOCs semi-annually. Add explosives monitoring semi-annually.
MW-44A	29.50	39.50	Oct-05 RDX=ND	Oct-05 TCE=540	Semi-Annual	E, V	Monitor decreasing TCE concentrations. Confirm no significant change in RDX concentrations.	C	AM	27	T-14N	R-9E	NONE

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Well Status		Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range	
	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)									
MW-44B	16.00	26.00	Oct-05 RDX=ND	Oct-05 TCE=12	Semi-Annual	E, V	Monitor decreasing TCE concentrations. Confirm no significant change in RDX concentrations.	C	AM	27	T-14N R-9E NONE
MW-44D	50.80	55.80	Oct-05 RDX=ND	Oct-05 TCE=30	Semi-Annual	E, V	Monitor decreasing TCE concentrations. Confirm no significant change in RDX concentrations.	C	AM	27	T-14N R-9E NONE
MW-45A	28.00	38.00	Oct-05 RDX=4.46	Oct-05 TCE=18	Semi-Annual	E, V	Monitor/confirm decreasing trends in contaminant concentrations, continue monitoring in eastern portion of RDX plume.	C	AM	26	T-14N R-9E NONE
MW-45B	17.00	27.00	Oct-05 RDX=5.35	Oct-05 TCE=23	Semi-Annual	E, V	Monitor/confirm decreasing trends in contaminant concentrations, continue monitoring in eastern portion of RDX plume.	C	AM	26	T-14N R-9E NONE
MW-45D	43.00	48.00	Oct-05 RDX=3.79	Oct-05 TCE=19	Semi-Annual	E, V	Monitor/confirm decreasing trends in contaminant concentrations, continue monitoring in eastern portion of RDX plume.	C	AM	26	T-14N R-9E NONE
MW-46A	33.20	43.20	Mar-05 RDX=ND	Oct-05 TCE=ND	Semi-Annual	E, V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	C	AM	26	T-14N R-9E NONE
MW-46B	21.00	31.00	Mar-04 RDX=ND	Sep-04 TCE=ND	Semi-Annual	E, V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	C	AM	26	T-14N R-9E Added semi-annual monitoring of explosives and VOCs.
MW-46D	52.50	57.50	Oct-05 RDX=ND	Oct-05 TCE=ND	Semi-Annual	E, V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	C	AM	26	T-14N R-9E NONE
MW-47A	112.80	122.80	Jul-97 RDX=ND	Jul-97 TCE=ND			Located more than two miles upgradient of plumes.	D	LL2	34	T-15N R-9E NONE
MW-47B	74.80	84.80	Jul-97 RDX=ND	Jul-97 TCE=ND			Located more than two miles upgradient of plumes.	D	LL2	34	T-15N R-9E NONE
MW-52A	48.00	58.00	Jun-95 RDX=7.4	Jun-95 TCE=3			UNL will be sampling this well quarterly in 2006.	B	AM	21	T-14N R-9E NONE
MW-52B	42.50	52.50	Jun-95 RDX=ND	Jun-95 TCE=1			UNL will be sampling this well quarterly in 2006.	B	AM	21	T-14N R-9E NONE
MW-53A	87.00	97.00	Dec-00 RDX=1.5	Dec-00 TCE=2.6			UNL will be sampling this well quarterly in 2006.	C	AM	21	T-14N R-9E NONE
MW-53B	27.50	37.50	Dec-00 RDX=ND	Dec-00 TCE=5.8			UNL will be sampling this well quarterly in 2006.	C	AM	21	T-14N R-9E NONE
MW-54A	66.00	76.00	Jun-95 RDX=3.3	Jun-95 TCE=ND	Semi-Annual	E, V	M.U.D. Baseline Sampling	C	AM	21	T-14N R-9E Added semi-annual monitoring of explosives and VOCs.
MW-54B	24.00	29.00	Jun-95 RDX=ND	Jun-95 TCE=ND	Semi-Annual	E, V	M.U.D. Baseline Sampling	C	AM	21	T-14N R-9E Added semi-annual monitoring of explosives and VOCs.
MW-55A	74.00	84.00	Mar-05 RDX=0.949	Mar-05 TCE=ND			UNL will be sampling this well quarterly in 2006.	B	AM	21	T-14N R-9E NONE
MW-55B	56.00	66.00	Mar-05 RDX=ND	Mar-05 TCE=ND			UNL will be sampling this well quarterly in 2006.	B	AM	21	T-14N R-9E NONE
MW-56A	69.00	79.00	Jun-95 RDX=2.2	Jun-95 TCE=ND			UNL will be sampling this well quarterly in 2006.	C	AM	21	T-14N R-9E NONE
MW-56B	21.00	31.00	Jun-95 RDX=ND	Jun-95 TCE=5			UNL will be sampling this well quarterly in 2006.	C	AM	21	T-14N R-9E NONE
MW-57B	55.00	65.00	Jun-95 RDX=ND	Dec-94 TCE=ND			Located upgradient of plumes.	D	LL1	12	T-14N R-8E NONE
MW-60A	92.00	102.00	Sep-04 RDX=ND	Sep-04 TCE=ND			Located downgradient of newly installed MW clusters 82 through 84, all of which will be sampled in 2006.	D	LL2	4	T-13N R-9E NONE
MW-60B	70.00	80.00	Sep-04 RDX=ND	Sep-04 TCE=ND			Located downgradient of newly installed MW clusters 82 through 84, all of which will be sampled in 2006.	D	LL2	4	T-13N R-9E NONE
MW-61A	75.70	85.70	Mar-05 RDX=ND	Oct-05 TCE=ND	Annual	E, V	Monitor downgradient of extraction well system for containment evaluation. MWs 79-81 & 92 provide better information on the LL1 plume in this area.	B	LL1	35	T-14N R-8E Decreased to annual monitoring of explosives and VOCs.
MW-61B	25.00	35.00	Mar-05 RDX=ND	Oct-05 TCE=ND	Annual	E, V	Monitor downgradient of extraction well system for containment evaluation. MWs 79-81 & 92 provide better information on the LL1 plume in this area.	B	LL1	35	T-14N R-8E Decreased to annual monitoring of explosives and VOCs.
MW-61D	97.00	102.00	Mar-05 RDX=ND	Oct-05 TCE=ND	Annual	E, V	Monitor downgradient of extraction well system for containment evaluation. MWs 79-81 & 92 provide better information on the LL1 plume in this area.	B	LL1	35	T-14N R-8E Decreased to annual monitoring of explosives and VOCs.
MW-62A	27.00	37.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Semi-Annual	E, V	Monitor downgradient of EW-1.	B	AM	35	T-14N R-9E NONE
MW-62B	17.00	24.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Semi-Annual	E, V	Monitor downgradient of EW-1.	B	AM	35	T-14N R-9E NONE
MW-62D	44.00	49.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Semi-Annual	E, V	Monitor downgradient of EW-1.	B	AM	35	T-14N R-9E NONE
MW-63B	18.50	28.50	Jan-00 RDX=ND	Jan-00 TCE=ND			Located upgradient of plumes.	D	AM	6	T-14N R-9E NONE
MW-64B	19.00	29.00	Jul-97 RDX=ND	Jul-97 TCE=ND	Semi-Annual	E, V	Monitor eastern edge of Atlas Missile TCE Plume. Establish baseline for proposed M.U.D. Well Field.	B	AM	16	T-14N R-9E Added semi-annual monitoring of explosives and VOCs.
MW-79A	76.31	86.31	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N R-8E Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-79B	30.28	40.28	Sep-05 RDX=ND	Sep-05 TCE=3.3	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N R-8E Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-80A	69.34	79.34	Sep-05 RDX=ND	Sep-05 TCE=12	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N R-8E Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.

Changes from 2005 to 2006

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)	Well Status	Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range		Changes from 2005 to 2006
MW-80B	30.31	40.31	Sep-05 RDX=ND	Sep-05 TCE=7.3	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-80D	88.32	93.32	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-81A	82.32	92.32	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-81B	28.32	38.32	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-81D	99.87	104.87	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations downgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-82A	89.50	94.50	Oct-05 RDX=ND	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-10. No historical RDX detections; upgradient well MW-29A has decreasing RDX detections. Upgradient MW-29 cluster has no historical TCE detections.	A	LL2	32	T-14-N	R-9E	Reduced explosives sampling to semiannual. Reduced VOC sampling frequency to annual.
MW-82B	61.20	65.70	Oct-05 RDX=ND	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-10. No historical RDX detections in MW-82B and upgradient well MW-29B. Upgradient MW-29 cluster has no historical TCE detections.	A	LL2	32	T-14-N	R-9E	Reduced explosives sampling to semiannual. Reduced VOC sampling to annual.
MW-82D	120.00	125.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-10. No historical RDX detections. Upgradient well MW-29A has decreasing RDX detections and upgradient well MW-28D has no historical RDX detections. Upgradient MW-29 cluster has no historical TCE detections.	A	LL2	32	T-14-N	R-9E	Reduced explosives sampling to semiannual. Reduced VOC sampling frequency to annual.
MW-83A	103.50	108.50	Oct-05 RDX=0.47	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-83B	75.00	80.00	Oct-05 RDX=0.99	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-83D	116.00	121.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-84A	87.13	91.13	Sep-05 RDX=0.4	Sep-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EW-7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-84AR	97.50	102.50	Nov-04 RDX=ND	Nov-04 TCE=ND			Screened across intermediate and deep zones; intermediate zone will be sampled from MW-84B and deep zone will be sampled from MW-84D.	A	LL2	32	T-14-N	R-9E	NONE
MW-84B	66.50	71.50	Sep-05 RDX=ND	Sep-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EWS-6 and 7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-84D	103.50	108.50	Sep-05 RDX=ND	Sep-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EWS-6 and 7. No historical TCE detections in upgradient MW-32 cluster.	A	LL2	32	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-85A	81.00	86.00	Oct-05 RDX=0.98	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EWS-4 and 5. No historical TCE detections in upgradient MW-34 cluster.	A	LL3	33	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-85B	62.00	67.00	Oct-05 RDX=1.4	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EWS-4 and 5. No historical TCE detections in upgradient MW-34 cluster.	A	LL3	33	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-85D	90.00	95.00	Oct-05 RDX=ND	Oct-05 TCE=ND	Explosives Semi-Annual VOCs Annual	E, V	Monitor downgradient of EWS-4 and 5. No historical TCE detections in upgradient MW-34 cluster.	A	LL3	33	T-14-N	R-9E	Reduce explosives sampling to semiannual. Reduce VOC sampling frequency to annual.
MW-89A	129.32	139.32	Sep-05 RDX=ND	Sep-05 TCE=0.79	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations upgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-89B	65.33	75.33	Sep-05 RDX=ND	Sep-05 TCE=0.77	Mar, Apr, May, June, Sept, & Dec	E, V	Monitor RDX and TCE concentrations upgradient of LL1 extraction wells as part of treatment system startup. LL1 remedial design calls for monthly sampling the first three months followed by quarterly sampling for the remainder of the first year.	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.

Mead NOP 2006 Monitoring Well Sampling Rational Table

Well Number	Well Status		Sampling Frequency	Sampling Parameters	Rationale for Inclusion or Omission	Objectives for 2006 (see legend)	Area code	Section	Township	Range	Changes from 2005 to 2006	
	Top of Screened Interval Depth (ft bgs)	Bottom of Screened Interval Depth (ft bgs)										
MW-89D	145.40	150.40	Sep-05 RDX=0.46	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-90A	113.83	123.83	Sep-05 RDX=ND	Sep-05 TCE=12	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-90B	65.83	75.83	Sep-05 RDX=ND	Sep-05 TCE=5.4	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-90D	130.31	135.31	Sep-05 RDX=0.14	Sep-05 TCE=7	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-91A	109.31	119.31	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-91B	67.79	77.79	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-91D	125.33	130.33	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-92A	72.30	82.30	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-92B	31.29	41.29	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	1	T-13-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-93A	84.31	94.31	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.
MW-93B	60.30	70.30	Sep-05 RDX=ND	Sep-05 TCE=ND	Mar, Apr, May, June, Sept, & Dec	E, V	A	LL1	36	T-14-N	R-8E	Increased monitoring frequency for explosives and VOCs due to LL1 treatment system startup.

Notes:

- No frequency identified indicates no sample to be collected in 2006
- MW-48, MW-58, and MW-59 have been abandoned

MW = Monitoring Well

* = Well previously installed by the USACE and all well construction details are not available

NA = Information not available.

M.U.D.= Metropolitan Utilities District

Objectives for 2006

A - Extraction well/containment monitoring/Downgradient (South)

B - Plume Boundary, Crossgradient (East)

C - Plume Interior

D - Upgradient/peripheral

Area Code Legend

LL = Load Line designation with number

AM = Atlas Missile

Table 2-3
March Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-09A*	AMW-009-032006	E, V	130.5	111.0	507182	2623575
MW-09B*	BMW-009-032006	E, V	87.9	68.4	507182	2623575
MW-09D	DMW-009-032006	E, V	138.1	135.6	507182	2623575
MW-10A*	AMW-010-032006	E, V	102.9	83.4	496924	2608288
MW-10B*	BMW-010-032006	E, V	64.8	50.2	496924	2608288
MW-11*	MW-011-032006	E, V	50.5	35.9	509662	2626425
MW-18A*	AMW-018-032006	E, V	128.0	126.5	506577	2628904
MW-18B*	BMW-018-032006	E, V			506577	2628904
MW-18C*	CMW-018-032006	E, V	49.7	44.7	506577	2628904
MW-19A*	AMW-019-032006	V	130.5	129.0	517313	2619128
MW-19B*	BMW-019-032006	V	106.5	104.0	517313	2619128
MW-19C*	CMW-019-032006	V	51.0	32.0	517313	2619128
MW-20A*	AMW-020-032006	E, V	152.9	150.2	493268	2616595
MW-20B*	BMW-020-032006	E, V	136.1	133.6	493268	2616595
MW-20C*	CMW-020-032006	E, V	62.8	57.8	493268	2616595
MW-21A	AMW-021-032006	E, V	127.9	122.9	503525	2607121
MW-21B	BMW-021-032006	E, V	78.0	73.0	503525	2607121
MW-21D	DMW-021-032006	E, V	140.0	137.5	503525	2607121
MW-24A	AMW-024-032006	E, V	123.5	118.5	501920	2608477
MW-24B	BMW-024-032006	E, V	68.1	63.1	501920	2608477
MW-28A	AMW-028-032006	E	139.5	134.5	502243	2612951
MW-28B	BMW-028-032006	E	79.3	74.3	502243	2612951
MW-28D	DMW-028-032006	E	151.4	148.9	502243	2612951
MW-29A	AMW-029-032006	E, V	134.2	129.2	498383	2614470
MW-29B	BMW-029-032006	E, V	75.8	70.8	498383	2614470
MW-31A	AMW-031-032006	E	106.5	101.5	503234	2617944
MW-31B	BMW-031-032006	E	62.3	57.3	503234	2617944
MW-32A	AMW-032-032006	E, V	100.3	95.3	499062	2619697
MW-32B	BMW-032-032006	E, V	82.9	77.9	499062	2619697
MW-32D	DMW-032-032006	E, V	113.6	111.1	499062	2619697
MW-33A	AMW-033-032006	E	112.4	107.4	502848	2622411
MW-33B	BMW-033-032006	E	85.3	80.3	502848	2622411
MW-33D	DMW-033-032006	E	127.0	124.5	502848	2622411
MW-34A	AMW-034-032006	E, V	113.7	108.7	498806	2624443
MW-34B	BMW-034-032006	E, V	76.8	71.8	498806	2624443
MW-34D	DMW-034-032006	E, V	127.0	124.5	498806	2624443
MW-35A	AMW-035-032006	E, V	93.5	88.5	496324	2629596
MW-35B	BMW-035-032006	E, V	69.1	64.1	496324	2629596
MW-35D	DMW-035-032006	E, V	107.5	105.0	496324	2629596
MW-36A	AMW-036-032006	E, V	37.8	32.8	496695	2634815
MW-36B	BMW-036-032006	E, V	26.8	21.8	496695	2634815
MW-36D	DMW-036-032006	E, V	47.7	45.2	496695	2634815
MW-37A	AMW-037-032006	E, V	42.6	37.6	491652	2633418
MW-37B	BMW-037-032006	E, V	31.1	28.6	491652	2633418
MW-37D	DMW-037-032006	E, V	52.7	50.2	491652	2633418
MW-38A	AMW-038-032006	E, V	51.5	49.3	496249	2638132
MW-38D	DMW-038-032006	E, V	65.8	63.3	496249	2638132
MW-39A	AMW-039-032006	E, V	50.3	48.1	499305	2640062
MW-39D	DMW-039-032006	E, V	57.1	55.7	499305	2640062
MW-41A	AMW-041-032006	V	83.8	78.8	512001	2624371
MW-41B	BMW-041-032006	V	48.4	43.4	512001	2624371
MW-41D	DMW-041-032006	V	94.2	91.7	512001	2624371
MW-42A	AMW-042-032006	E, V	98.0	93.0	501583	2629385
MW-42B	BMW-042-032006	E, V	65.0	60.0	501583	2629385
MW-42D	DMW-042-032006	E, V	110.3	107.8	501583	2629385
MW-43A	AMW-043-032006	E, V	102.4	97.4	504318	2629243
MW-43B	BMW-043-032006	E, V	52.0	47.0	504318	2629243
MW-43D	DMW-043-032006	E, V	113.4	110.9	504318	2629243
MW-44A	AMW-044-032006	E, V	41.3	36.3	500415	2632954
MW-44B	BMW-044-032006	E, V	29.1	24.1	500415	2632954
MW-44D	DMW-044-032006	E, V	57.2	54.7	500415	2632954
MW-45A	AMW-045-032006	E, V	40.0	35.0	499241	2635044
MW-45B	BMW-045-032006	E, V	29.0	24.0	499241	2635044
MW-45D	DMW-045-032006	E, V	49.9	47.4	499241	2635044
MW-46A	AMW-046-032006	E, V	45.2	40.2	499387	2637465
MW-46B	BMW-046-032006	E, V	32.9	27.9	499387	2637465

Table 2-3
March Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-46D	DMW-046-032006	E, V	59.5	57.0	499387	2637465
MW-54A	AMW-054-032006	E, V	77.9	72.9	508858	2627894
MW-54B	BMW-054-032006	E, V	30.9	28.4	508858	2627894
MW-61A	AMW-061-032006	E, V	85.7	80.7	492900	2608656
MW-61B	BMW-061-032006	E, V	35.0	30.0	492900	2608656
MW-61D	DMW-061-032006	E, V	102.0	99.5	492900	2608656
MW-62A	AMW-062-032006	E, V	37.0	32.0	493874	2635397
MW-62B	BMW-062-032006	E, V	24.1	20.6	493874	2635397
MW-62D	DMW-062-032006	E, V	48.8	46.3	493874	2635397
MW-64B	BMW-064-032006	E, V	30.8	25.8	510106	2628039
MW-79A	AMW-079-032006	E, V	87.9	82.9	492336	2610432
MW-79B	BMW-079-032006	E, V	42.1	37.1	492336	2610432
MW-80A	AMW-080-032006	E, V	81.0	76.0	492067	2610926
MW-80B	BMW-080-032006	E, V	42.2	37.2	492067	2610926
MW-80D	DMW-080-032006	E, V	94.2	91.7	492067	2610926
MW-81A	AMW-081-032006	E, V	94.2	89.2	492369	2611638
MW-81B	BMW-081-032006	E, V	39.7	34.7	492369	2611638
MW-81D	DMW-081-032006	E, V	106.2	103.7	492369	2611638
MW-82A	AMW-082-032006	E, V	96.5	91.5	493318	2619289
MW-82B	BMW-082-032006	E, V	68.7	63.7	493318	2619289
MW-82D	DMW-082-032006	E, V	127.3	124.8	493318	2619289
MW-83A	AMW-083-032006	E, V	111.0	106.0	495275	2621924
MW-83B	BMW-083-032006	E, V	82.4	77.4	495275	2621924
MW-83D	DMW-083-032006	E, V	125.0	122.5	495275	2621924
MW-84A	AMW-084-032006	E, V	93.7	88.7	495686	2624278
MW-84B	BMW-084-032006	E, V	74.8	69.8	495686	2624278
MW-84D	DMW-084-032006	E, V	112.0	109.5	495686	2624278
MW-85A	AMW-085-032006	E, V	89.1	84.1	494439	2628327
MW-85B	BMW-085-032006	E, V	68.7	66.2	494439	2628327
MW-85D	DMW-085-032006	E, V	98.2	95.7	494439	2628327
MW-89A	AMW-089-032006	E, V	141.2	136.2	494254	2610431
MW-89B	BMW-089-032006	E, V	77.1	72.1	494254	2610431
MW-89D	DMW-089-032006	E, V	152.2	149.7	494254	2610431
MW-90A	AMW-090-032006	E, V	125.0	120.0	494302	2611236
MW-90B	BMW-090-032006	E, V	77.5	72.5	494302	2611236
MW-90D	DMW-090-032006	E, V	137.8	135.3	494302	2611236
MW-91A	AMW-091-032006	E, V	121.1	116.1	494323	2612077
MW-91B	BMW-091-032006	E, V	79.8	74.8	494323	2612077
MW-91D	DMW-091-032006	E, V	137.8	135.3	494323	2612077
MW-92A	AMW-092-032006	E, V	84.0	79.0	492723	2610047
MW-92B	BMW-092-032006	E, V	41.7	36.7	492723	2610047
MW-93A	AMW-093-032006	E, V	95.8	90.8	493551	2612163
MW-93B	BMW-093-032006	E, V	72.3	67.3	493551	2612163

Notes:

VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330

* indicates wells previously installed by the USACE and all well construction details are not available.

ft = feet

BTOC = below top of casing

GPS locations are general not for other use

Pump levels are advisory and are calculated at approximately the center of the screening interval.

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table 2-4
June Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-79A	AMW-079-062006	E, V	87.85	82.85	492336	2610432
MW-79B	BMW-079-062006	E, V	42.09	37.09	492336	2610432
MW-80A	AMW-080-062006	E, V	80.96	75.96	492067	2610926
MW-80B	BMW-080-062006	E, V	42.22	37.22	492067	2610926
MW-80D	DMW-080-062006	E, V	94.20	91.70	492067	2610926
MW-81A	AMW-081-062006	E, V	94.19	89.19	492369	2611638
MW-81B	BMW-081-062006	E, V	39.70	34.70	492369	2611638
MW-81D	DMW-081-062006	E, V	106.23	103.73	492369	2611638
MW-89A	AMW-089-062006	E, V	141.20	136.20	494254	2610431
MW-89B	BMW-089-062006	E, V	77.05	72.05	494254	2610431
MW-89D	DMW-089-062006	E, V	152.15	149.65	494254	2610431
MW-90A	AMW-090-062006	E, V	125.00	120.00	494302	2611236
MW-90B	BMW-090-062006	E, V	77.50	72.50	494302	2611236
MW-90D	DMW-090-062006	E, V	137.80	135.30	494302	2611236
MW-91A	AMW-091-062006	E, V	121.10	116.10	494323	2612077
MW-91B	BMW-091-062006	E, V	79.79	74.79	494323	2612077
MW-91D	DMW-091-062006	E, V	137.80	135.30	494323	2612077
MW-92A	AMW-092-062006	E, V	84.04	79.04	492723	2610047
MW-92B	BMW-092-062006	E, V	41.69	36.69	492723	2610047
MW-93A	AMW-093-062006	E, V	95.79	90.79	493551	2612163
MW-93B	BMW-093-062006	E, V	72.30	67.30	493551	2612163

Notes:

VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330

* indicates wells previously installed by the USACE and all well construction details are not available.

ft = feet

BTOC = below top of casing

GPS locations are general not for other use

Pump levels are advisory and are calculated at approximately the center of the screening interval.

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table 2-5
September Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-10A*	AMW-010-092006	E, V	102.90	83.40	496924	2608288
MW-10B*	BMW-010-092006	E, V	64.79	50.19	496924	2608288
MW-18A*	AMW-018-092006	E, V	128.00	126.50	506577	2628904
MW-18B*	BMW-018-092006	E, V			506577	2628904
MW-18C*	CMW-018-092006	E, V	49.70	44.70	506577	2628904
MW-20A*	AMW-020-092006	E	152.90	150.20	493268	2616595
MW-20B*	BMW-020-092006	E	136.10	133.60	493268	2616595
MW-20C*	CMW-020-092006	E	62.80	57.80	493268	2616595
MW-28A	AMW-028-092006	E	139.53	134.53	502243	2612951
MW-28B	BMW-028-092006	E	79.29	74.29	502243	2612951
MW-28D	DMW-028-092006	E	151.38	148.88	502243	2612951
MW-29A	AMW-029-092006	E	134.16	129.16	498383	2614470
MW-29B	BMW-029-092006	E	75.81	70.81	498383	2614470
MW-35A	AMW-035-092006	E	93.51	88.51	496324	2629596
MW-35B	BMW-035-092006	E	69.05	64.05	496324	2629596
MW-35D	DMW-035-092006	E	107.53	105.03	496324	2629596
MW-36A	AMW-036-092006	E, V	37.78	32.78	496695	2634815
MW-36B	BMW-036-092006	E, V	26.82	21.82	496695	2634815
MW-36D	DMW-036-092006	E, V	47.69	45.19	496695	2634815
MW-37A	AMW-037-092006	E, V	42.65	37.65	491652	2633418
MW-37B	BMW-037-092006	E, V	31.13	28.63	491652	2633418
MW-37D	DMW-037-092006	E, V	52.72	50.22	491652	2633418
MW-41A	AMW-041-092006	V	83.81	78.81	512001	2624371
MW-41B	BMW-041-092006	V	48.36	43.36	512001	2624371
MW-41D	DMW-041-092006	V	94.22	91.72	512001	2624371
MW-42A	AMW-042-092006	E, V	97.99	92.99	501583	2629385
MW-42B	BMW-042-092006	E, V	65.02	60.02	501583	2629385
MW-42D	DMW-042-092006	E, V	110.32	107.82	501583	2629385
MW-43A	AMW-043-092006	E, V	102.38	97.38	504318	2629243
MW-43B	BMW-043-092006	E, V	52.00	47.00	504318	2629243
MW-43D	DMW-043-092006	E, V	113.35	110.85	504318	2629243
MW-44A	AMW-044-092006	E, V	41.27	36.27	500415	2632954
MW-44B	BMW-044-092006	E, V	29.06	24.06	500415	2632954
MW-44D	DMW-044-092006	E, V	57.17	54.67	500415	2632954
MW-45A	AMW-045-092006	E, V	39.96	34.96	499241	2635044
MW-45B	BMW-045-092006	E, V	28.99	23.99	499241	2635044
MW-45D	DMW-045-092006	E, V	49.87	47.37	499241	2635044
MW-46A	AMW-046-092006	E, V	45.19	40.19	499387	2637465
MW-46B	BMW-046-092006	E, V	32.93	27.93	499387	2637465
MW-46D	DMW-046-092006	E, V	59.49	56.99	499387	2637465
MW-54A	AMW-054-092006	E, V	77.86	72.86	508858	2627894
MW-54B	BMW-054-092006	E, V	30.86	28.36	508858	2627894
MW-62A	AMW-062-092006	E, V	37.00	32.00	493874	2635397
MW-62B	BMW-062-092006	E, V	24.09	20.59	493874	2635397
MW-62D	DMW-062-092006	E, V	48.77	46.27	493874	2635397
MW-64B	BMW-064-092006	E, V	30.85	25.85	510106	2628039
MW-79A	AMW-079-092006	E, V	87.85	82.85	492336	2610432
MW-79B	BMW-079-092006	E, V	42.09	37.09	492336	2610432
MW-80A	AMW-080-092006	E, V	80.96	75.96	492067	2610926
MW-80B	BMW-080-092006	E, V	42.22	37.22	492067	2610926
MW-80D	DMW-080-092006	E, V	94.20	91.70	492067	2610926
MW-81A	AMW-081-092006	E, V	94.19	89.19	492369	2611638
MW-81B	BMW-081-092006	E, V	39.70	34.70	492369	2611638
MW-81D	DMW-081-092006	E, V	106.23	103.73	492369	2611638
MW-82A	AMW-082-092006	E	96.50	91.50	493318	2619289
MW-82B	BMW-082-092006	E	68.70	63.70	493318	2619289
MW-82D	DMW-082-092006	E	127.30	124.80	493318	2619289
MW-83A	AMW-083-092006	E	111.00	106.00	495275	2621924
MW-83B	BMW-083-092006	E	82.40	77.40	495275	2621924
MW-83D	DMW-083-092006	E	125.00	122.50	495275	2621924
MW-84A	AMW-084-092006	E	93.70	88.70	495686	2624278
MW-84B	BMW-084-092006	E	74.80	69.80	495686	2624278
MW-84D	DMW-084-092006	E	112.00	109.50	495686	2624278
MW-85A	AMW-085-092006	E	89.10	84.10	494439	2628327

Table 2-5
September Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-85B	BMW-085-092006	E	68.65	66.15	494439	2628327
MW-85D	DMW-085-092006	E	98.20	95.70	494439	2628327
MW-89A	AMW-089-092006	E, V	141.20	136.20	494254	2610431
MW-89B	BMW-089-092006	E, V	77.05	72.05	494254	2610431
MW-89D	DMW-089-092006	E, V	152.15	149.65	494254	2610431
MW-90A	AMW-090-092006	E, V	125.00	120.00	494302	2611236
MW-90B	BMW-090-092006	E, V	77.50	72.50	494302	2611236
MW-90D	DMW-090-092006	E, V	137.80	135.30	494302	2611236
MW-91A	AMW-091-092006	E, V	121.10	116.10	494323	2612077
MW-91B	BMW-091-092006	E, V	79.79	74.79	494323	2612077
MW-91D	DMW-091-092006	E, V	137.80	135.30	494323	2612077
MW-92A	AMW-092-092006	E, V	84.04	79.04	492723	2610047
MW-92B	BMW-092-092006	E, V	41.69	36.69	492723	2610047
MW-93A	AMW-093-092006	E, V	95.79	90.79	493551	2612163
MW-93B	BMW-093-092006	E, V	72.30	67.30	493551	2612163

Notes:

VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330

* indicates wells previously installed by the USACE and all well construction details are not available.

ft = feet

BTOC = below top of casing

GPS locations are general not for other use

Pump levels are advisory and are calculated at approximately the center of the screening interval.

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table 2-6
December Sampling Summary
Monitoring Wells

Monitoring Well	Sample ID	Required Analyses	Total depth (ft. BTOC)	Pump Level (ft. BTOC)	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
MW-79A	AMW-079-122006	E, V	87.85	82.85	492336	2610432
MW-79B	BMW-079-122006	E, V	42.09	37.09	492336	2610432
MW-80A	AMW-080-122006	E, V	80.96	75.96	492067	2610926
MW-80B	BMW-080-122006	E, V	42.22	37.22	492067	2610926
MW-80D	DMW-080-122006	E, V	94.20	91.70	492067	2610926
MW-81A	AMW-081-122006	E, V	94.19	89.19	492369	2611638
MW-81B	BMW-081-122006	E, V	39.70	34.70	492369	2611638
MW-81D	DMW-081-122006	E, V	106.23	103.73	492369	2611638
MW-89A	AMW-089-122006	E, V	141.20	136.20	494254	2610431
MW-89B	BMW-089-122006	E, V	77.05	72.05	494254	2610431
MW-89D	DMW-089-122006	E, V	152.15	149.65	494254	2610431
MW-90A	AMW-090-122006	E, V	125.00	120.00	494302	2611236
MW-90B	BMW-090-122006	E, V	77.50	72.50	494302	2611236
MW-90D	DMW-090-122006	E, V	137.80	135.30	494302	2611236
MW-91A	AMW-091-122006	E, V	121.10	116.10	494323	2612077
MW-91B	BMW-091-122006	E, V	79.79	74.79	494323	2612077
MW-91D	DMW-091-122006	E, V	137.80	135.30	494323	2612077
MW-92A	AMW-092-122006	E, V	84.04	79.04	492723	2610047
MW-92B	BMW-092-122006	E, V	41.69	36.69	492723	2610047
MW-93A	AMW-093-122006	E, V	95.79	90.79	493551	2612163
MW-93B	BMW-093-122006	E, V	72.30	67.30	493551	2612163

Notes:

VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330

* indicates wells previously installed by the USACE and all well construction details are not available.

ft = feet

BTOC = below top of casing

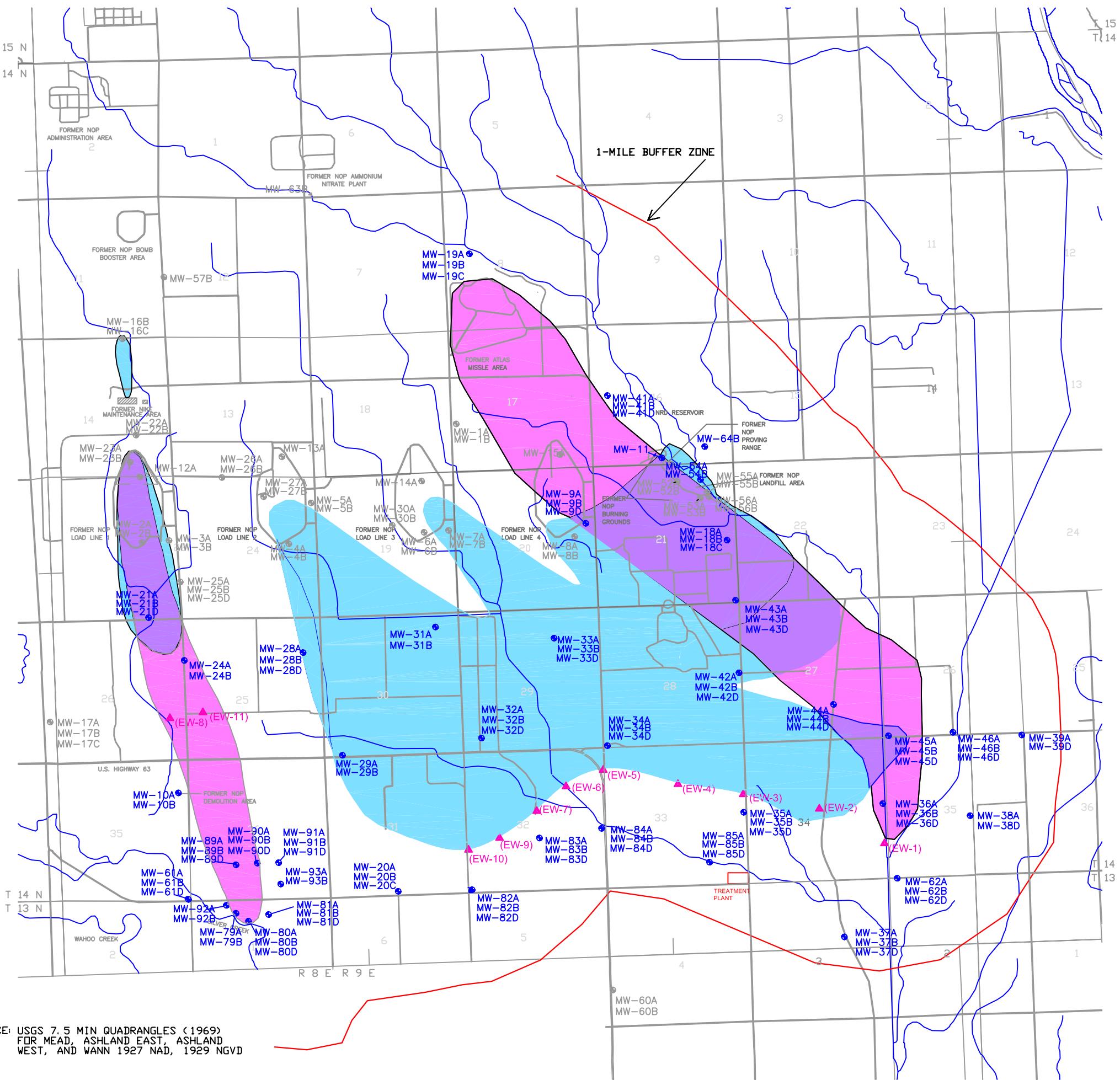
GPS locations are general not for other use

Pump levels are advisory and are calculated at approximately the center of the screening interval.

Analyses Required:

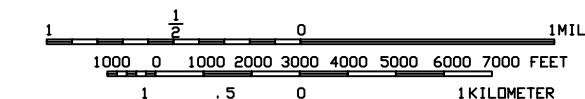
E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)



EXPLANATION:

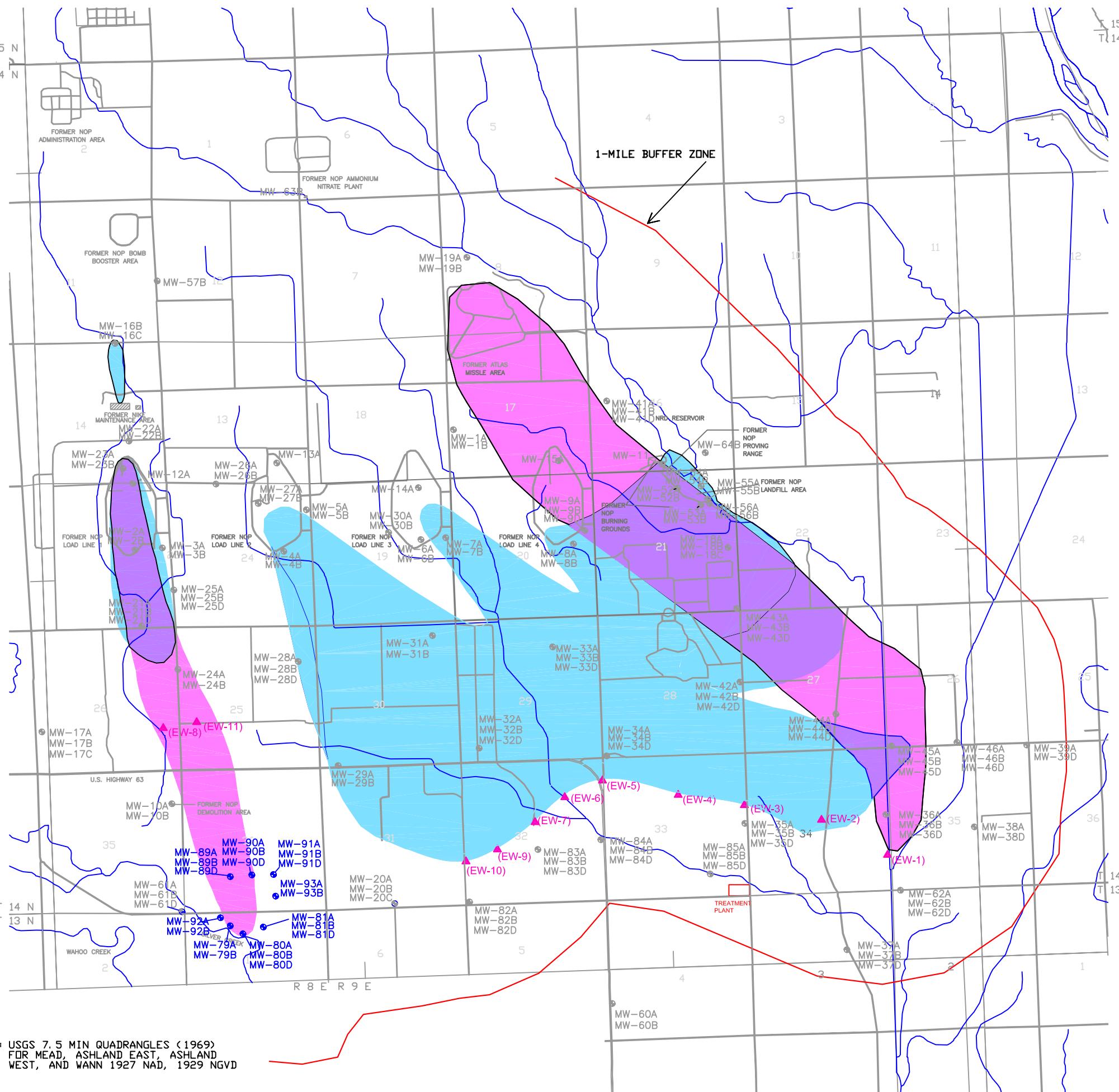
- (MW-64) MONITORING WELLS
 - (MW-64) MONITORING WELLS TO BE SAMPLED IN MARCH 2006
 - ▲(EW-4) EXTRACTION WELLS
 -  APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
 -  APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
 -  APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

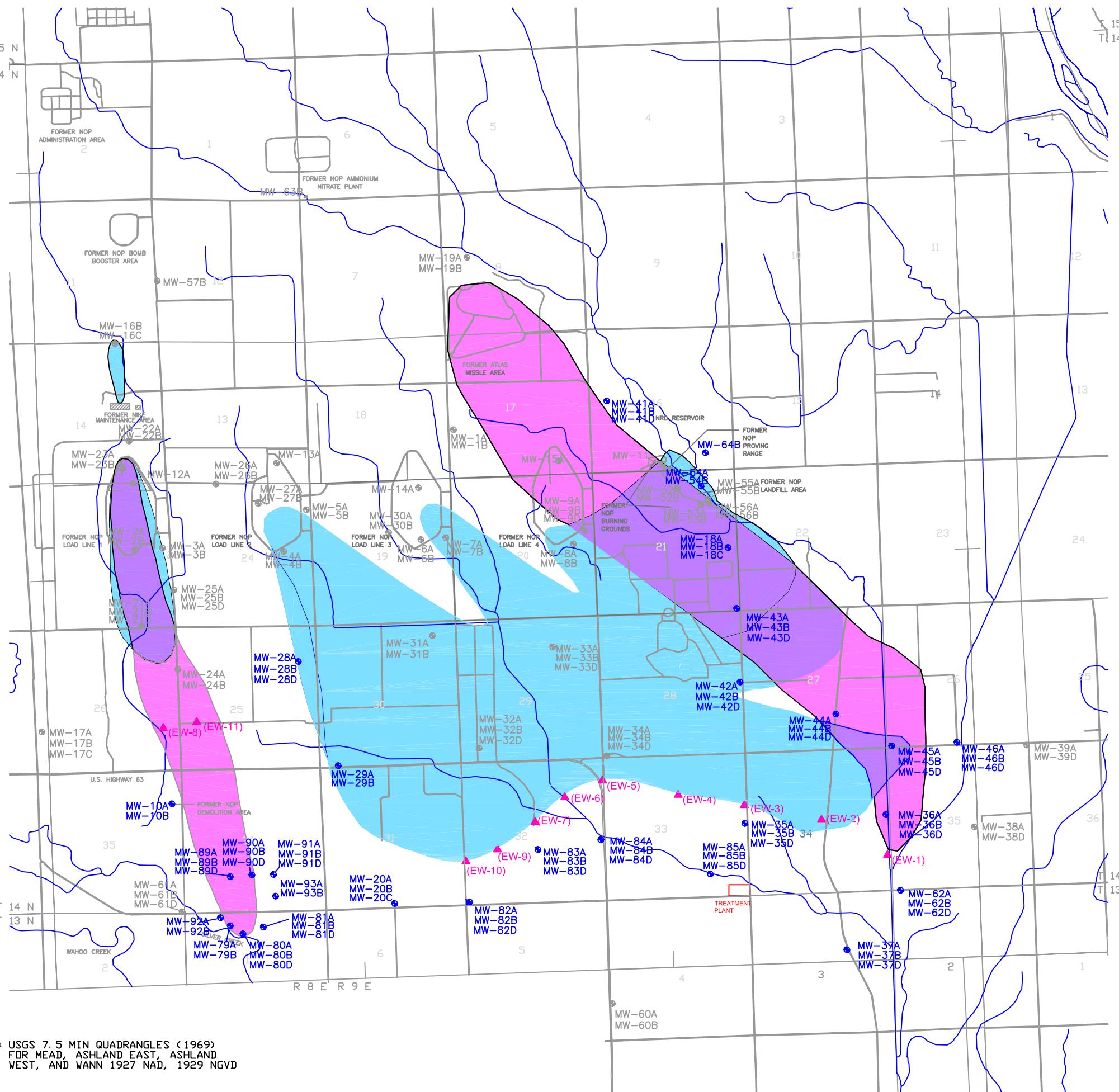


The image shows a horizontal banner. On the left, the text "Environmental Chemical Corporation" is written in a black, sans-serif font. To its right is a red rectangular logo containing a white illustration of a castle tower with three distinct levels and a spire. The letters "ECC" are integrated into the design of the tower's facade. To the right of the logo, the words "CORPS OF ENGINEERS" and "U.S. ARMY ENGINEER DISTRICT" are printed in a black, all-caps, sans-serif font.

Figure 2-1
Well Location Map
March 2006 Sampling Event

Scale:	1 IN = 4000 FT	Sheet number:	
Date:	January 2006		
Dwg. No.:			





EXPLANATION:

- (MW-64) MONITORING WELLS
- (MW-64) MONITORING WELLS TO BE SAMPLED IN SEPT 2006
- ▲(EW-4) EXTRACTION WELLS
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

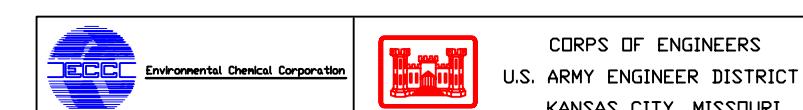
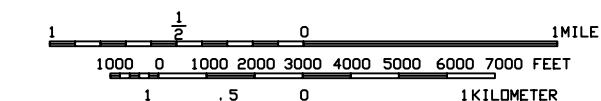
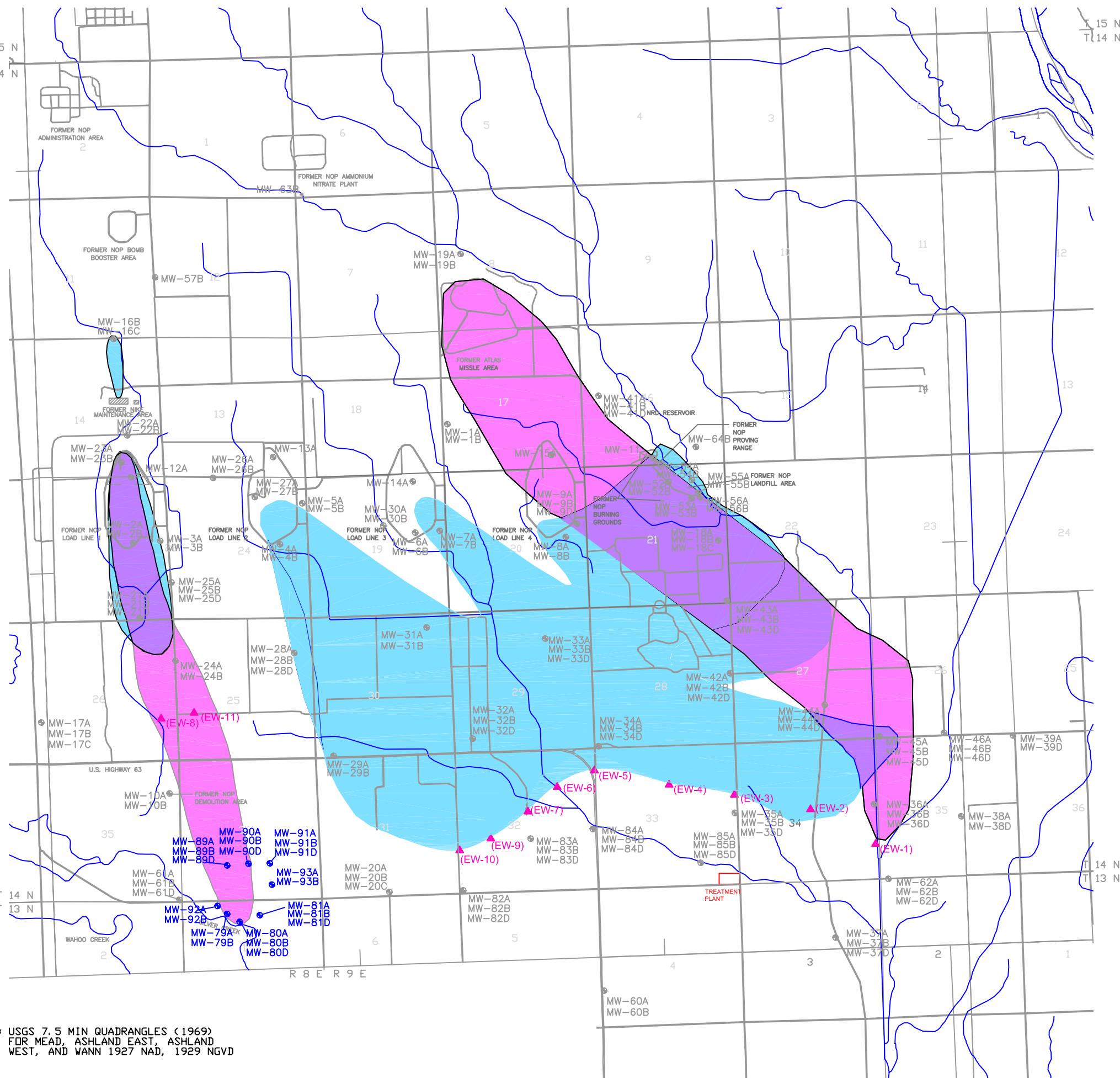


Figure 2-3
Well Location Map
Sept 2006 Sampling Event

Scale: 1 IN = 4000 FT	Sheet number:
Date: January 2006	
Dwg. No. 1	



EXPLANATION:

- (MW-64) MONITORING WELLS
- (MW-64) MONITORING WELLS TO BE SAMPLED IN DEC 2006
- ▲(EW-4) EXTRACTION WELLS
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 µg/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA**
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 µg/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA**
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 µg/L AND 2 µg/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA**

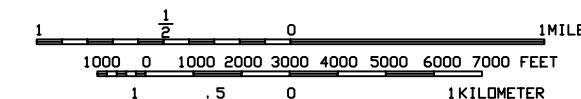


Figure 2-4
Well Location Map
Dec 2006 Sampling Event

Scale: 1 IN = 4000 FT	Sheet number:
Date: January 2006	
Dwg. No. 1	

SOURCE: USGS 7.5 MIN QUADRANGLES (1969)
FOR MEAD, ASHLAND EAST, ASHLAND WEST, AND WANN 1927 NAD, 1929 NGVD

SURFACE WATER

Table A-3
Surface Water Sampling Locations
March Sampling Event

Surface Water Sampling Location	Sample ID	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
SW-01	SW-001-032006	E, V	513779	2624427
SW-05	SW-005-032006	E, V	504146	2634428
SW-06	SW-006-032006	E, V	501953	2634695
SW-08	SW-008-032006	E, V	500244	2634767
SW-09	SW-009-032006	E, V	500101	2637629
SW-10	SW-010-032006	E, V	496732	2634913
SW-11	SW-011-032006	E, V	496753	2636883
SW-12	SW-012-032006	E, V	493876	2635055
SCW-03	SCW-003-032006	E, V	492153	2609884
SCW-04	SCW-004-032006	E, V	492094	2610420
SCW-05	SCW-005-032006	E, V	491970	2610792
SCW-06	SCW-006-032006	E, V	491888	2611301
ART	OART-062006	E, V	499606	2632884

Notes:

- Surface water sample IDs are discussed in section 4.2 of the Field Sampling Plan for Ground Water Monitoring Well Sampling.
- Dates indicated in table will vary depending on sampling date.
- VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330
- ART = Artesian well; record and sample direct flow

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table A-4
Surface Water Sampling Locations
June Sampling Event

Surface Water Sampling Location	Sample ID	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
SW-01	SW-001-062006	E, V	513779	2624427
SW-05	SW-005-062006	E, V	504146	2634428
SW-06	SW-006-062006	E, V	501953	2634695
SW-08	SW-008-062006	E, V	500244	2634767
SW-09	SW-009-062006	E, V	500101	2637629
SW-10	SW-010-062006	E, V	496732	2634913
SW-11	SW-011-062006	E, V	496753	2636883
SW-12	SW-012-062006	E, V	493876	2635055
SCW-03	SCW-003-062006	E, V	492153	2609884
SCW-04	SCW-004-062006	E, V	492094	2610420
SCW-05	SCW-005-062006	E, V	491970	2610792
SCW-06	SCW-006-062006	E, V	491888	2611301
ART	0ART-062006	E, V	499606	2632884

Notes:

- Surface water sample IDs are discussed in section 4.2 of the Field Sampling Plan for Ground Water Monitoring Well
- Dates indicated in table will vary depending on sampling date.
- VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330
- ART = Artesian well; record and sample direct flow

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)
V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table A-5
Surface Water Sampling Locations
September Sampling Event

Surface Water Sampling Location	Sample ID	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
SW-01	SW-001-092006	E, V	513779	2624427
SW-05	SW-005-092006	E, V	504146	2634428
SW-06	SW-006-092006	E, V	501953	2634695
SW-08	SW-008-092006	E, V	500244	2634767
SW-09	SW-009-092006	E, V	500101	2637629
SW-10	SW-010-092006	E, V	496732	2634913
SW-11	SW-011-092006	E, V	496753	2636883
SW-12	SW-012-092006	E, V	493876	2635055
SCW-03	SCW-003-092006	E, V	492153	2609884
SCW-04	SCW-004-092006	E, V	492094	2610420
SCW-05	SCW-005-092006	E, V	491970	2610792
SCW-06	SCW-006-092006	E, V	491888	2611301
ART	0ART-092006	E, V	499606	2632884

Notes:

- Surface water sample IDs are discussed in section 4.2 of the Field Sampling Plan for Ground Water Monitoring Well
- Dates indicated in table will vary depending on sampling date.
- VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330
- ART = Artesian well; record and sample direct flow

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)
V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

Table A-6
Surface Water Sampling Locations
December Sampling Event

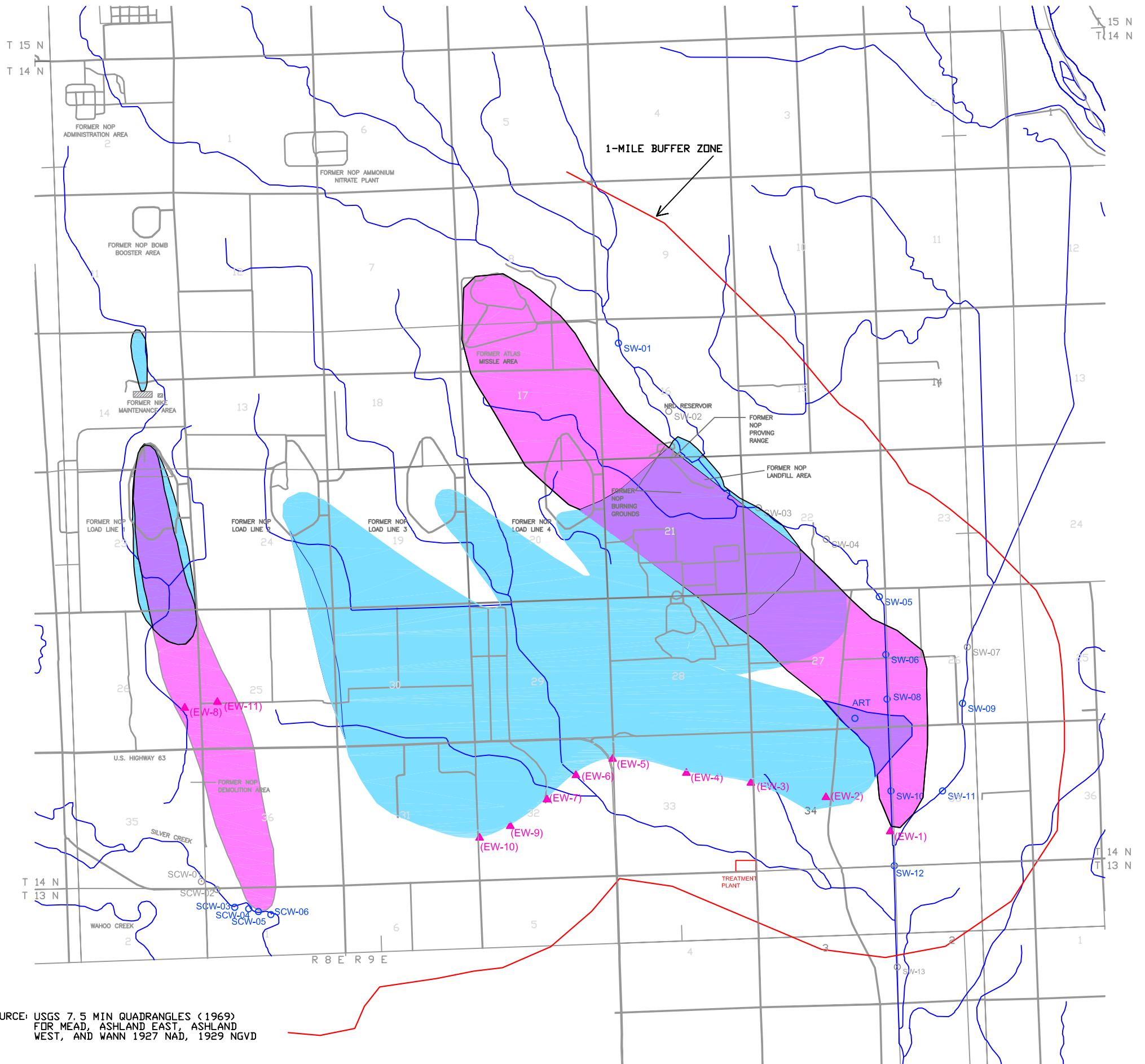
Surface Water Sampling Location	Sample ID	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
SW-01	SW-001-122006	E, V	513779	2624427
SW-05	SW-005-122006	E, V	504146	2634428
SW-06	SW-006-122006	E, V	501953	2634695
SW-08	SW-008-122006	E, V	500244	2634767
SW-09	SW-009-122006	E, V	500101	2637629
SW-10	SW-010-122006	E, V	496732	2634913
SW-11	SW-011-122006	E, V	496753	2636883
SW-12	SW-012-122006	E, V	493876	2635055
SCW-03	SCW-003-122006	E, V	492153	2609884
SCW-04	SCW-004-122006	E, V	492094	2610420
SCW-05	SCW-005-122006	E, V	491970	2610792
SCW-06	SCW-006-122006	E, V	491888	2611301
ART	0ART-122006	E, V	499606	2632884

Notes:

- Surface water sample IDs are discussed in section 4.2 of the Field Sampling Plan for Ground Water Monitoring Well
- Dates indicated in table will vary depending on sampling date.
- VOC by EPA SW-846 Method 8260 and Explosives by EPA SW-846 Method 8330
- ART = Artesian well; record and sample direct flow

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)
V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)



EXPLANATION:

○ SW-09 SURFACE WATER SAMPLE LOCATION

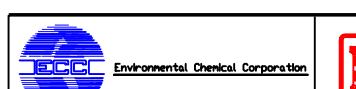
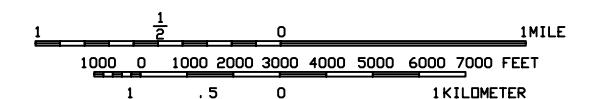
SW-02 SURFACE WATER SAMPLE LOCATION NOT SAMPLED

▲(EW-4) EXTRACTION WELLS

APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 µg/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA



**CORPS OF ENGINEERS
U.S. ARMY ENGINEER DISTRICT
KANSAS CITY, MISSOURI**

Figure A-1
Mead Former NOP Area
Surface Water Locations
to be Sampled Quarterly in 2006

SOURCE: USGS 7.5 MIN QUADRANGLES (1969)
FOR MEAD, ASHLAND EAST, ASHLAND
WEST, AND WANN 1927 NAD, 1929 NGVD

Scale:

1 IN = 4000 FT

January 2006

WATER SUPPLY WELL

Mead NOP 2006 Water Supply Well Sampling Rational Table

Location	Well Status (RDX or TCE)	2006 Sampling Frequency	Sampling Parameters	Rationale
27	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 0.105 U 3/17/2005 Trichloroethene 0.15 U 6/16/2005 1,2-Dichloropropane 0.14 U 6/16/2005 1,3,5-Trinitrobenzene 0.079 U 6/16/2005 2,4,6-Trinitrotoluene 0.079 U 6/16/2005 2,4-Dinitrotoluene 0.079 U 6/16/2005 Methylene chloride 0.3 U 6/16/2005 RDX 0.079 U 6/16/2005 Trichloroethene 0.15 U 9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.4 UJ 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Annually	E, V	Located in 13N, 9E, Section 3. This location has been non-detect for the 7 Army COCs for the three most recent sampling event and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is downgradient of the containment system, in the path of groundwater flow.
29	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 1.1 12/2/2004 Trichloroethene 0.5 U 3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 1.39 3/17/2005 Trichloroethene 0.15 U 6/14/2005 1,2-Dichloropropane 0.14 U 6/14/2005 1,3,5-Trinitrobenzene 0.079 U 6/14/2005 2,4,6-Trinitrotoluene 0.079 U 6/14/2005 2,4-Dinitrotoluene 0.079 U 6/14/2005 Methylene chloride 0.27 U 6/14/2005 RDX 1.21 6/14/2005 Trichloroethene 0.15 U 9/13/2005 1,2-Dichloropropane 0.14 U 9/13/2005 1,3,5-Trinitrobenzene 0.079 U 9/13/2005 2,4,6-Trinitrotoluene 0.079 U 9/13/2005 2,4-Dinitrotoluene 0.079 U 9/13/2005 Methylene chloride 6.6 UJ 9/13/2005 RDX 1.01 9/13/2005 Trichloroethene 0.15 U 11/15/2005 1,2-Dichloropropane 0.097 U 11/15/2005 Methylene chloride 0.105 U 11/15/2005 Trichloroethene 0.137 U	Semi-annually	E, V	Located in 13N, 9E, Section 3. This location has had RDX detections greater than one-half of the action level, but less than the action level during the past four sampling events. This well is located within 1/2 mile of the plume boundary and is downgradient of the containment system.

Mead NOP 2006 Water Supply Well Sampling Rational Table

29A	12/3/2004 1,2-Dichloropropane 0.5 U	Semi-annually	E, V	Located in 14N, 9E, Section 34. This location had a low level RDX detection, less than one-half the action level, during one of the past four sampling events. This well is located within 1/2 mile of the plume boundary and is downgradient of the containment system.
	12/3/2004 1,3,5-Trinitrobenzene 0.62 U			
	12/3/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/3/2004 2,4-Dinitrotoluene 0.62 U			
	12/3/2004 Methylene chloride 2 UJ			
	12/3/2004 RDX 0.62 U			
	12/3/2004 Trichloroethene 0.5 U			
	3/18/2005 1,2-Dichloropropane 0.14 U			
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 0.7 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 0.15 U			
	6/16/2005 1,2-Dichloropropane 0.14 U			
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.12 J			
	6/16/2005 Trichloroethene 0.15 U			
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 RDX 0.079 U			
	11/15/2005 1,2-Dichloropropane 0.097 U			
	11/15/2005 Methylene chloride 0.105 U			
	11/15/2005 Trichloroethene 0.137 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

32	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 0.105 U 3/17/2005 Trichloroethene 0.15 U 6/16/2005 1,2-Dichloropropane 0.14 U 6/16/2005 1,3,5-Trinitrobenzene 0.079 U 6/16/2005 2,4,6-Trinitrotoluene 0.079 U 6/16/2005 2,4-Dinitrotoluene 0.079 U 6/16/2005 Methylene chloride 0.27 U 6/16/2005 RDX 0.079 U 6/16/2005 Trichloroethene 0.15 U 9/14/2005 1,3,5-Trinitrobenzene 0.079 U 9/14/2005 2,4,6-Trinitrotoluene 0.079 U 9/14/2005 2,4-Dinitrotoluene 0.079 U 9/14/2005 RDX 0.079 U 11/15/2005 1,2-Dichloropropane 0.097 U 11/15/2005 Methylene chloride 0.105 U 11/15/2005 Trichloroethene 0.137 U 	Annually	E, V	<p>Located in 13N, 9E, Section 4. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This residence was sampled frequently in 2005 due to the RDX detection in MW-85 cluster. This well is located downgradient of the containment system, in the path of groundwater flow.</p>
34	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 0.105 U 3/17/2005 Trichloroethene 0.15 U 6/15/2005 1,2-Dichloropropane 0.14 U 6/15/2005 1,3,5-Trinitrobenzene 0.079 U 6/15/2005 2,4,6-Trinitrotoluene 0.079 U 6/15/2005 2,4-Dinitrotoluene 0.079 U 6/15/2005 Methylene chloride 0.27 U 6/15/2005 RDX 0.079 U 6/15/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.4 U 9/15/2005 RDX 0.079 U 9/15/2005 Trichloroethene 0.15 U 	Annually	E, V	<p>Located in 13N, 9E, Section 4. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This residence was sampled frequently in 2005 due to the RDX detection in MW-85 cluster. This well is located downgradient of the containment system, in the path of groundwater flow.</p>

Mead NOP 2006 Water Supply Well Sampling Rational Table

	12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 RDX 0.62 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 RDX 0.105 U 6/15/2005 1,3,5-Trinitrobenzene 0.079 U 6/15/2005 2,4,6-Trinitrotoluene 0.079 U 6/15/2005 2,4-Dinitrotoluene 0.079 U 6/15/2005 RDX 0.079 U 10/1/2005 1,3,5-Trinitrobenzene 0.079 U 10/1/2005 2,4,6-Trinitrotoluene 0.079 U 10/1/2005 2,4-Dinitrotoluene 0.079 U 10/1/2005 RDX 0.079 U	Annually	E, V	Located in 13N, 9E, Section 5. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This residence was sampled frequently in 2005 due to the RDX detection in MW-85 cluster. This well is located downgradient of the containment system, in the path of groundwater flow.
36				
50A	12/3/2004 1,2-Dichloropropane 0.5 U 12/3/2004 1,3,5-Trinitrobenzene 0.62 U 12/3/2004 2,4,6-Trinitrotoluene 0.62 U 12/3/2004 2,4-Dinitrotoluene 0.62 U 12/3/2004 Methylene chloride 2 UJ 12/3/2004 RDX 0.62 U 12/3/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.9 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 6/16/2005 1,2-Dichloropropane 0.14 U 6/16/2005 1,3,5-Trinitrobenzene 0.079 U 6/16/2005 2,4,6-Trinitrotoluene 0.079 U 6/16/2005 2,4-Dinitrotoluene 0.079 U 6/16/2005 Methylene chloride 0.27 U 6/16/2005 RDX 0.15 J 6/16/2005 Trichloroethene 0.15 U 9/18/2005 1,2-Dichloropropane 0.14 U 9/18/2005 1,3,5-Trinitrobenzene 0.079 U 9/18/2005 2,4,6-Trinitrotoluene 0.079 U 9/18/2005 2,4-Dinitrotoluene 0.079 U 9/18/2005 Methylene chloride 0.5 U 9/18/2005 RDX 0.079 U 9/18/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 34. This location has had a low level RDX detection, less than one-half the action level, during one of the past four sampling events. This well is located within 1/2 mile of the plume boundary. This well is downgradient of the containment system.

Mead NOP 2006 Water Supply Well Sampling Rational Table

	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 0.62 U 12/2/2004 Trichloroethene 0.5 U 3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 0.105 U 3/17/2005 Trichloroethene 0.15 U 6/16/2005 1,2-Dichloropropane 0.14 U 6/16/2005 1,3,5-Trinitrobenzene 0.079 U 6/16/2005 2,4,6-Trinitrotoluene 0.079 U 6/16/2005 2,4-Dinitrotoluene 0.079 U 6/16/2005 Methylene chloride 0.27 U 6/16/2005 RDX 0.32 6/16/2005 Trichloroethene 0.15 U 9/18/2005 1,2-Dichloropropane 0.14 U 9/18/2005 1,3,5-Trinitrobenzene 0.079 U 9/18/2005 2,4,6-Trinitrotoluene 0.079 U 9/18/2005 2,4-Dinitrotoluene 0.079 U 9/18/2005 Methylene chloride 0.7 U 9/18/2005 RDX 1.43 9/18/2005 Trichloroethene 0.15 U			
50B		Quarterly	E, V	Located in 14N, 9E, Section 34. This location is within the plume boundary and has had an RDX detection greater than one-half the action level during one of the past four sampling events. This residence is provided with bottled water due to historic detections of RDX above 2 ppb.
51	12/7/2004 1,2-Dichloropropane 0.5 U 12/7/2004 1,3,5-Trinitrobenzene 0.62 UJ 12/7/2004 2,4,6-Trinitrotoluene 0.62 U 12/7/2004 2,4-Dinitrotoluene 0.62 U 12/7/2004 Methylene chloride 2 UJ 12/7/2004 RDX 0.62 UR 12/7/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.9 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 6/9/2005 1,2-Dichloropropane 0.14 U 6/9/2005 1,3,5-Trinitrobenzene 0.079 U 6/9/2005 2,4,6-Trinitrotoluene 0.079 U 6/9/2005 2,4-Dinitrotoluene 0.079 U 6/9/2005 Methylene chloride 0.27 U 6/9/2005 RDX 0.079 U 6/9/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.5 UJ 9/15/2005 RDX 0.079 U 9/15/2005 Trichloroethene 0.15 U	Quarterly	E, V	Located in 14N, 9E, Section 34. This location is within the current plume boundary and has been non-detect for the 7 Army COCs for the four most recent sampling events.

Mead NOP 2006 Water Supply Well Sampling Rational Table

51A	12/2/2004 1,2-Dichloropropane 0.5 U	Quarterly	E, V	Located in 13N, 9E, Section 3. This location is within the current plume boundary and has been non-detect for the 7 Army COCs for the four most recent sampling events.
	12/2/2004 1,3,5-Trinitrobenzene 0.62 U			
	12/2/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/2/2004 2,4-Dinitrotoluene 0.62 U			
	12/2/2004 Methylene chloride 2 UJ			
	12/2/2004 RDX 0.62 U			
	12/2/2004 Trichloroethene 0.5 U			
	3/18/2005 1,2-Dichloropropane 0.14 U			
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 1 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 0.15 U			
	6/9/2005 1,2-Dichloropropane 0.14 U			
	6/9/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/9/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/9/2005 2,4-Dinitrotoluene 0.079 U			
	6/9/2005 Methylene chloride 0.27 U			
	6/9/2005 RDX 0.079 U			
	6/9/2005 Trichloroethene 0.15 U			
	9/15/2005 1,2-Dichloropropane 0.14 U			
	9/15/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/15/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/15/2005 2,4-Dinitrotoluene 0.079 U			
	9/15/2005 Methylene chloride 0.6 UJ			
	9/15/2005 RDX 0.079 U			
	9/15/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 0.62 U 12/2/2004 Trichloroethene 0.5 U 3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 0.105 U	Semi-annually	E, V	Located in 14N, 9E, Section 34. This location is within the current plume boundary and is provided with bottled water and a water filtration system. Sample semi-annually to monitor possible breakthrough.
52A - After CU sample	3/17/2005 Trichloroethene 0.15 U 6/15/2005 1,3,5-Trinitrobenzene 0.079 U 6/15/2005 2,4,6-Trinitrotoluene 0.079 U 6/15/2005 2,4-Dinitrotoluene 0.079 U 6/15/2005 RDX 0.079 U 6/16/2005 1,2-Dichloropropane 0.14 U 6/16/2005 Methylene chloride 0.5 U 6/16/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 0.079 U 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
52A-B - Before CU sample	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06	Semi-annually	E, V	Located in 14N, 9E, Section 34. This location is within the current plume boundary and is provided with bottled water and a water filtration system. Sample semi-annually to monitor incoming contaminant concentrations and their possible effects on the treatment system.
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			
	3/17/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.8 UJ 9/15/2005 RDX 1.28 9/15/2005 Trichloroethene 0.15 U			
	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 1.06			

Mead NOP 2006 Water Supply Well Sampling Rational Table

	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 0.62 U 12/2/2004 Trichloroethene 0.1 J 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.27 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 6/9/2005 1,2-Dichloropropane 0.14 U 6/9/2005 1,3,5-Trinitrobenzene 0.079 U 6/9/2005 2,4,6-Trinitrotoluene 0.079 U 6/9/2005 2,4-Dinitrotoluene 0.079 U 6/9/2005 Methylene chloride 0.27 U 6/9/2005 RDX 0.079 U 6/9/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.7 U 9/15/2005 RDX 0.079 U 9/15/2005 Trichloroethene 0.15 U			
52B		Quarterly	E, V	Located in 14N, 9E, Section 34. This location is within the current plume boundary and has had one low level TCE detection during the past four sampling events.
52C - After CU sample	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 0.62 U 12/2/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.27 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 6/9/2005 1,2-Dichloropropane 0.14 U 6/9/2005 1,3,5-Trinitrobenzene 0.079 U 6/9/2005 2,4,6-Trinitrotoluene 0.079 U 6/9/2005 2,4-Dinitrotoluene 0.079 U 6/9/2005 Methylene chloride 0.27 U 6/9/2005 RDX 0.079 U 6/9/2005 Trichloroethene 0.15 U 9/15/2005 1,2-Dichloropropane 0.14 U 9/15/2005 1,3,5-Trinitrobenzene 0.079 U 9/15/2005 2,4,6-Trinitrotoluene 0.079 U 9/15/2005 2,4-Dinitrotoluene 0.079 U 9/15/2005 Methylene chloride 0.5 U 9/15/2005 RDX 0.079 U 9/15/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 27. This location is within the plume boundary and receives bottled and has been provided a water filtration system. Sample semi-annually to monitor possible breakthrough.

Mead NOP 2006 Water Supply Well Sampling Rational Table

52C-B - Before CU sample	12/2/2004 1,2-Dichloropropane 0.5 U	Semi-annually	E, V	Located in 14N, 9E, Section 27. Sample semi-annually to monitor incoming contaminant concentrations and their possible effects on the treatment system.
	12/2/2004 1,3,5-Trinitrobenzene 0.62 U			
	12/2/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/2/2004 2,4-Dinitrotoluene 0.62 U			
	12/2/2004 Methylene chloride 2 UJ			
	12/2/2004 RDX 0.62 U			
	12/2/2004 Trichloroethene 550			
	3/18/2005 1,2-Dichloropropane 0.14 U			
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 0.27 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 400 J			
	9/15/2005 1,2-Dichloropropane 0.14 U			
	9/15/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/15/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/15/2005 2,4-Dinitrotoluene 0.079 U			
	9/15/2005 Methylene chloride 0.3 U			
	9/15/2005 RDX 0.079 U			
	9/15/2005 Trichloroethene 900			
53 - After CU sample	12/2/2004 1,2-Dichloropropane 0.5 U	Semi-annually	E, V	Located in 14N, 9E, Section 27. This location is within the plume boundary and has been provided a water filtration system. Sample semi-annually to monitor possible breakthrough.
	12/2/2004 1,3,5-Trinitrobenzene 0.62 U			
	12/2/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/2/2004 2,4-Dinitrotoluene 0.62 U			
	12/2/2004 Methylene chloride 2 UJ			
	12/2/2004 RDX 0.62 U			
	12/2/2004 Trichloroethene 0.5 U			
	3/18/2005 1,2-Dichloropropane 0.14 U			
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 0.27 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 0.15 U			
	6/10/2005 1,2-Dichloropropane 0.14 U			
	6/10/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/10/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/10/2005 2,4-Dinitrotoluene 0.079 U			
	6/10/2005 Methylene chloride 0.27 U			
	6/10/2005 RDX 0.079 U			
	6/10/2005 Trichloroethene 0.15 U			
	9/19/2005 1,2-Dichloropropane 0.14 U			
	9/19/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/19/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/19/2005 2,4-Dinitrotoluene 0.079 U			
	9/19/2005 Methylene chloride 0.4 U			
	9/19/2005 RDX 0.079 U			
	9/19/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

53-B - Before CU sample	3/18/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 27. This location is within the know extent of plume. Sample semi-annually to monitor incoming contaminant concentrations and their possible effects on the treatment system.
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 0.27 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 4			
	9/19/2005 1,2-Dichloropropane 0.14 U			
	9/19/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/19/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/19/2005 2,4-Dinitrotoluene 0.079 U			
	9/19/2005 Methylene chloride 0.7 U			
	9/19/2005 RDX 0.079 U			
	9/19/2005 Trichloroethene 3.3			
54 - After CU sample	12/2/2004 1,2-Dichloropropane 0.5 U	Semi-annually	E, V	Located in 14N, 9E, Section 27. This location is within the plume boundary and has been provided a water filtration system. Sample semi-annually to monitor possible breakthrough.
	12/2/2004 1,3,5-Trinitrobenzene 0.62 U			
	12/2/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/2/2004 2,4-Dinitrotoluene 0.62 U			
	12/2/2004 Methylene chloride 2 UJ			
	12/2/2004 RDX 0.62 U			
	12/2/2004 Trichloroethene 0.5 U			
	3/17/2005 1,2-Dichloropropane 0.14 U			
	3/17/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/17/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/17/2005 2,4-Dinitrotoluene 0.105 U			
	3/17/2005 Methylene chloride 0.27 UJ			
	3/17/2005 RDX 0.105 U			
	3/17/2005 Trichloroethene 0.15 U			
	6/16/2005 1,2-Dichloropropane 0.14 U			
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.079 U			
	6/16/2005 Trichloroethene 0.15 U			
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 RDX 0.079 U			
	9/14/2005 1,2-Dichloropropane 0.14 U			
	9/14/2005 Methylene chloride 0.9 U			
	9/14/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 1,3,5-Trinitrobenzene 0.211 UJ 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.211 UJ 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.211 UJ 3/17/2005 Methylene chloride 0.27 UJ 3/17/2005 RDX 5.92 J 3/17/2005 RDX 5.53 54-B - Before CU sample 3/17/2005 Trichloroethene 15 9/13/2005 1,3,5-Trinitrobenzene 0.079 U 9/13/2005 1,3,5-Trinitrobenzene 0.395 U 9/13/2005 2,4,6-Trinitrotoluene 0.079 U 9/13/2005 2,4,6-Trinitrotoluene 0.395 U 9/13/2005 2,4-Dinitrotoluene 0.079 U 9/13/2005 2,4-Dinitrotoluene 0.395 U 9/13/2005 RDX 5.5 9/13/2005 RDX 5.5 J 9/14/2005 1,2-Dichloropropane 0.14 U 9/14/2005 Methylene chloride 1 U 9/14/2005 Trichloroethene 17	Semi-annually	E, V	Located in 14N, 9E, Section 27. This location is within the know extent of plume. Sample semi-annually to monitor incoming contaminant concentrations and their possible effects on the treatment system.
55	3/17/2005 1,2-Dichloropropane 0.14 U 3/17/2005 1,3,5-Trinitrobenzene 0.105 U 3/17/2005 2,4,6-Trinitrotoluene 0.105 U 3/17/2005 2,4-Dinitrotoluene 0.105 U 3/17/2005 Methylene chloride 0.27 U 3/17/2005 RDX 0.105 U 3/17/2005 Trichloroethene 0.15 U 10/1/2005 1,2-Dichloropropane 0.14 UJ 10/1/2005 1,3,5-Trinitrobenzene 0.079 U 10/1/2005 2,4,6-Trinitrotoluene 0.079 U 10/1/2005 2,4-Dinitrotoluene 0.079 U 10/1/2005 Methylene chloride 0.6 UJ 10/1/2005 RDX 0.079 U 10/1/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 26. This location had a low level TCE detection in 2003. This well is located within 1/2 mile of the plume boundary and is crossgradient of the containment system and groundwater flow.
56	12/2/2004 1,2-Dichloropropane 0.5 U 12/2/2004 1,3,5-Trinitrobenzene 0.62 U 12/2/2004 2,4,6-Trinitrotoluene 0.62 U 12/2/2004 2,4-Dinitrotoluene 0.62 U 12/2/2004 Methylene chloride 2 UJ 12/2/2004 RDX 0.62 U 12/2/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.27 UJ 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.6 U 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.

Mead NOP 2006 Water Supply Well Sampling Rational Table

	12/3/2004 1,2-Dichloropropane 0.5 U 12/3/2004 1,3,5-Trinitrobenzene 0.62 U 12/3/2004 2,4,6-Trinitrotoluene 0.62 U 12/3/2004 2,4-Dinitrotoluene 0.62 U 12/3/2004 Methylene chloride 2 UJ 12/3/2004 RDX 0.62 U 12/3/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.27 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 9/18/2005 1,2-Dichloropropane 0.14 U 9/18/2005 1,3,5-Trinitrobenzene 0.079 U 9/18/2005 2,4,6-Trinitrotoluene 0.079 U 9/18/2005 2,4-Dinitrotoluene 0.079 U 9/18/2005 Methylene chloride 0.8 U 9/18/2005 RDX 0.079 U 9/18/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
57	12/3/2004 1,2-Dichloropropane 0.5 U 12/3/2004 1,3,5-Trinitrobenzene 0.62 U 12/3/2004 2,4,6-Trinitrotoluene 0.62 U 12/3/2004 2,4-Dinitrotoluene 0.62 U 12/3/2004 Methylene chloride 2 UJ 12/3/2004 RDX 0.62 U 12/3/2004 Trichloroethene 0.5 U 3/18/2005 1,2-Dichloropropane 0.14 U 3/18/2005 1,3,5-Trinitrobenzene 0.105 U 3/18/2005 2,4,6-Trinitrotoluene 0.105 U 3/18/2005 2,4-Dinitrotoluene 0.105 U 3/18/2005 Methylene chloride 0.27 U 3/18/2005 RDX 0.105 U 3/18/2005 Trichloroethene 0.15 U 9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.9 U 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
58	9/13/2005 1,2-Dichloropropane 0.14 U 9/13/2005 1,3,5-Trinitrobenzene 0.079 U 9/13/2005 2,4,6-Trinitrotoluene 0.079 U 9/13/2005 2,4-Dinitrotoluene 0.079 U 9/13/2005 Methylene chloride 0.9 UJ 9/13/2005 RDX 0.079 U 9/13/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
59	9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.7 U 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location has been non-detect for the 7 Army COCs for the four most recent sampling events and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
60	9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.7 U 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
61	9/16/2005 1,2-Dichloropropane 0.14 U 9/16/2005 1,3,5-Trinitrobenzene 0.079 U 9/16/2005 2,4,6-Trinitrotoluene 0.079 U 9/16/2005 2,4-Dinitrotoluene 0.079 U 9/16/2005 Methylene chloride 0.6 U 9/16/2005 RDX 0.079 U 9/16/2005 Trichloroethene 0.15 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary and is crossgradient of the containment system and groundwater flow.

Mead NOP 2006 Water Supply Well Sampling Rational Table

62	9/16/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.5 U			
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
63	9/18/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is located crossgradient of the containment system and groundwater flow.
	9/18/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/18/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/18/2005 2,4-Dinitrotoluene 0.079 U			
	9/18/2005 Methylene chloride 0.6 U			
	9/18/2005 RDX 0.079 U			
	9/18/2005 Trichloroethene 0.15 U			
64	9/16/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is located crossgradient of the containment system and groundwater flow.
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.6 U			
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
65	10/1/2005 1,2-Dichloropropane 0.14 UJ	Semi-annually	E, V	Located in 13N, 9E, Section 6. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is downgradient of the containment system, in the path of groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.4 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
66	10/1/2005 1,2-Dichloropropane 0.14 UJ	Semi-annually	E, V	Located in 13N, 9E, Section 6. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is located downgradient of the containment system, in the path of groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.7 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
67	10/1/2005 1,2-Dichloropropane 0.14 UJ	Semi-annually	E, V	Located in 13N, 9E, Section 6. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is located downgradient of the containment system, in the path of groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.8 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 UJ			
68	10/1/2005 1,2-Dichloropropane 0.14 UJ	Semi-annually	E, V	Located in 13N, 9E, Section 6. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is located downgradient of the containment system, in the path of groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.8 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 UJ			
73	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.27 U			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
74	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.6 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

75	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.6 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
76	9/16/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is located crossgradient of the containment system and groundwater flow.
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.5 U			
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
77	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is located crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.5 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
79	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.6 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
80	9/15/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 9. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/15/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/15/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/15/2005 2,4-Dinitrotoluene 0.079 U			
	9/15/2005 Methylene chloride 0.5 U			
	9/15/2005 RDX 0.079 U			
	9/15/2005 Trichloroethene 0.15 U			
81	9/13/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 9. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 Methylene chloride 1.2 UJ			
	9/13/2005 RDX 0.079 U			
	9/13/2005 Trichloroethene 0.15 U			
82	9/13/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 9. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 Methylene chloride 1 UJ			
	9/13/2005 RDX 0.079 U			
	9/13/2005 Trichloroethene 0.15 U			
84	9/15/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 15. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/15/2005 Methylene chloride 0.4 U			
	9/15/2005 Trichloroethene 0.15 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 RDX 0.079 U			
86	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.7 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			

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87	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 2.4 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
89	9/15/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 22. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/15/2005 Methylene chloride 0.27 U			
	9/15/2005 Trichloroethene 0.15 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 RDX 0.079 U			
90	10/2/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/2/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/2/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/2/2005 2,4-Dinitrotoluene 0.079 U			
	10/2/2005 Methylene chloride 0.6 UJ			
	10/2/2005 RDX 0.079 U			
	10/2/2005 Trichloroethene 0.15 U			
91	10/2/2005 1,2-Dichloropropane 0.14 UJ	Semi-annually	E, V	Located in 14N, 9E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/2/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/2/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/2/2005 2,4-Dinitrotoluene 0.079 U			
	10/2/2005 Methylene chloride 0.5 UJ			
	10/2/2005 RDX 0.079 U			
	10/2/2005 Trichloroethene 0.15 U			
92	9/15/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/15/2005 Methylene chloride 0.5 U			
	9/15/2005 Trichloroethene 0.15 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 RDX 0.079 U			
93	9/18/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 26. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/18/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/18/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/18/2005 2,4-Dinitrotoluene 0.079 U			
	9/18/2005 Methylene chloride 0.7 U			
	9/18/2005 RDX 0.079 U			
	9/18/2005 Trichloroethene 0.15 U			
94	9/18/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 26. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/18/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/18/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/18/2005 2,4-Dinitrotoluene 0.079 U			
	9/18/2005 Methylene chloride 0.6 U			
	9/18/2005 RDX 0.079 U			
	9/18/2005 Trichloroethene 0.15 U			
95	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.27 U			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
96	10/1/2005 1,2-Dichloropropane 0.14 UJ	Annually	E, V	Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.27 U			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

97	9/18/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/18/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/18/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/18/2005 2,4-Dinitrotoluene 0.079 U			
	9/18/2005 Methylene chloride 0.8 U			
	9/18/2005 RDX 0.079 U			
	9/18/2005 Trichloroethene 0.15 U			
99	9/13/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 Methylene chloride 1 UJ			
	9/13/2005 RDX 0.079 U			
	9/13/2005 Trichloroethene 0.15 U			
100	3/17/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 31. This location is within 1/2 mile of the plume boundary and has had a low level RDX and Methylene chloride detection during the past four sampling events. This well is downgradient of the plume boundary and groundwater flow.
	3/17/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/17/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/17/2005 2,4-Dinitrotoluene 0.105 U			
	3/17/2005 Methylene chloride 0.27 U			
	3/17/2005 RDX 0.105 U			
	3/17/2005 Trichloroethene 0.15 U			
	6/16/2005 1,2-Dichloropropane 0.14 U			
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.29			
	6/16/2005 Trichloroethene 0.15 U			
	9/14/2005 1,2-Dichloropropane 0.14 U			
	9/14/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/14/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/14/2005 2,4-Dinitrotoluene 0.079 U			
101	9/14/2005 Methylene chloride 0.7 J	Annually	E, V	Located in 13N, 8E, Section 1. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is downgradient of the containment system, in the path of groundwater flow.
	9/14/2005 RDX 0.079 U			
	9/14/2005 Trichloroethene 0.15 U			
	10/1/2005 1,2-Dichloropropane 0.14 UJ			
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
102	10/1/2005 Methylene chloride 0.9 UJ	Annually	E, V	Located in 14N, 9E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
	9/16/2005 1,2-Dichloropropane 0.14 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
103	9/16/2005 Methylene chloride 0.5 U	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
	11/3/2004 1,2-Dichloropropane 0.5 U			
	11/3/2004 1,3,5-Trinitrobenzene 0.62 U			
	11/3/2004 2,4,6-Trinitrotoluene 0.62 U			
	11/3/2004 2,4-Dinitrotoluene 0.62 U			
	11/3/2004 Methylene chloride 2 UJ			
	11/3/2004 RDX 0.62 U			
	11/3/2004 Trichloroethene 0.5 U			
	9/13/2005 1,2-Dichloropropane 0.14 U			
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 Methylene chloride 0.7 J			
	9/13/2005 RDX 0.079 U			
	9/13/2005 Trichloroethene 0.15 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

104	11/3/2004 1,2-Dichloropropane 0.5 U	Annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	11/3/2004 1,3,5-Trinitrobenzene 0.62 U			
	11/3/2004 2,4,6-Trinitrotoluene 0.62 U			
	11/3/2004 2,4-Dinitrotoluene 0.62 U			
	11/3/2004 Methylene chloride 2 UJ			
	11/3/2004 RDX 0.62 U			
	11/3/2004 Trichloroethene 0.5 U			
	10/1/2005 1,2-Dichloropropane 0.14 UJ			
	10/1/2005 1,3,5-Trinitrobenzene 0.079 U			
	10/1/2005 2,4,6-Trinitrotoluene 0.079 U			
	10/1/2005 2,4-Dinitrotoluene 0.079 U			
	10/1/2005 Methylene chloride 0.6 UJ			
	10/1/2005 RDX 0.079 U			
	10/1/2005 Trichloroethene 0.15 U			
105	3/18/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	3/18/2005 1,3,5-Trinitrobenzene 0.105 U			
	3/18/2005 2,4,6-Trinitrotoluene 0.105 U			
	3/18/2005 2,4-Dinitrotoluene 0.105 U			
	3/18/2005 Methylene chloride 0.27 U			
	3/18/2005 RDX 0.105 U			
	3/18/2005 Trichloroethene 0.15 U			
	9/16/2005 1,2-Dichloropropane 0.14 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.5 UJ			
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
106	6/16/2005 1,2-Dichloropropane 0.14 U	Semi-annually	E, V	Located in 14N, 9E, Section 35. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.079 U			
	6/16/2005 Trichloroethene 0.15 U			
	9/16/2005 1,2-Dichloropropane 0.14 U			
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.27 U			
	9/16/2005 RDX 0.079 U			
	9/16/2005 Trichloroethene 0.15 U			
107	9/18/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/18/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/18/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/18/2005 2,4-Dinitrotoluene 0.079 U			
	9/18/2005 Methylene chloride 0.6 U			
	9/18/2005 RDX 0.079 U			
	9/18/2005 Trichloroethene 0.15 U			
108	9/13/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 15. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/13/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/13/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/13/2005 2,4-Dinitrotoluene 0.079 U			
	9/13/2005 Methylene chloride 0.9 J			
	9/13/2005 RDX 0.079 U			
	9/13/2005 Trichloroethene 0.15 U			
109	9/14/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 13N, 9E, Section 2. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/14/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/14/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/14/2005 2,4-Dinitrotoluene 0.079 U			
	9/14/2005 Methylene chloride 0.4 UJ			
	9/14/2005 RDX 0.079 U			
	9/14/2005 Trichloroethene 0.15 U			
	9/14/2005 1,2-Dichloropropane 0.14 U			Located in 14N, 9E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/14/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/14/2005 2,4,6-Trinitrotoluene 0.079 U			

Mead NOP 2006 Water Supply Well Sampling Rational Table

110	9/14/2005 2,4-Dinitrotoluene 0.079 U	Annually	E, V	COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/14/2005 Methylene chloride 0.8 UJ			
	9/14/2005 RDX 0.079 U			
	9/14/2005 Trichloroethene 0.15 U			
111	9/16/2005 1,2-Dichloropropane 0.14 U	Annually	E, V	Located in 14N, 9E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	9/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/16/2005 2,4-Dinitrotoluene 0.079 U			
	9/16/2005 Methylene chloride 0.27 U			
	9/16/2005 RDX 0.079 U			
UNFL-10A	12/3/2004 1,3,5-Trinitrobenzene 0.62 U	Semi-annually	E, V	Located in 14N, 8E, Section 26, currently active, drinking water supply. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. This well is crossgradient of the containment system and groundwater flow.
	12/3/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/3/2004 2,4-Dinitrotoluene 0.62 U			
	12/3/2004 RDX 0.62 U			
	12/7/2004 1,2-Dichloropropane 0.5 U			
	12/7/2004 Methylene chloride 2 UJ			
	12/7/2004 Trichloroethene 0.5 U			
	6/16/2005 1,2-Dichloropropane 0.14 U			
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.079 U			
	6/16/2005 Trichloroethene 0.15 U			
UNFL-11A				Located in 14N, 8E, Section 23, currently offline.
UNFL-23	9/14/2005 1,2-Dichloropropane 0.14 U	Semi-Annually	E, V	Located in 14N, 8E, Section 36. This location was non-detect for the 7 Army COCs in 2005 and is within the current plume boundary. Well not used as a potable water source. Used as emergency (fire) supply well.
	9/14/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/14/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/14/2005 2,4-Dinitrotoluene 0.079 U			
	9/14/2005 Methylene chloride 7.4 UJ			
	9/14/2005 RDX 0.079 U			
	9/14/2005 Trichloroethene 0.15 U			
UNFL-27	9/14/2005 1,2-Dichloropropane 0.14 U	Semi-Annually	E, V	Located in 14N, 9E, Section 17. This location was non-detect for the 7 Army COCs in 2005 and is located within 1/2 mile of the plume boundary. The well is active and tied into a drinking water supply line.
	9/14/2005 1,3,5-Trinitrobenzene 0.079 U			
	9/14/2005 2,4,6-Trinitrotoluene 0.079 U			
	9/14/2005 2,4-Dinitrotoluene 0.079 U			
	9/14/2005 Methylene chloride 0.9 UJ			
	9/14/2005 RDX 0.079 U			
	9/14/2005 Trichloroethene 0.15 U			
UNFL-8A				Located in 14N, 9E, Section 19. Changed to irrigation well 3 yrs ago, active.
UNFL-9A		Semi-annually	E, V	Located in 14N, 9E, Section 18. Well used in past for drinking water supply, however was recently taken offline by the well owner. This location is not within the current plume boundary.
UNFL-IR-12	12/3/2004 1,3,5-Trinitrobenzene 0.62 U	Annually	E, V	Located in 14N, 8E, Section 23. This location was non-detect for the 7 Army COCs in 2005 and is located outside the 1/2-mile line but within 1 mile of the plume boundary. The well is active and tied into a drinking water supply line.
	12/3/2004 2,4,6-Trinitrotoluene 0.62 U			
	12/3/2004 2,4-Dinitrotoluene 0.62 U			
	12/3/2004 RDX 0.62 U			
	12/7/2004 1,2-Dichloropropane 0.5 U			
	12/7/2004 Methylene chloride 2 UJ			
	12/7/2004 Trichloroethene 0.5 U			
	6/16/2005 1,2-Dichloropropane 0.14 U			
	6/16/2005 1,3,5-Trinitrobenzene 0.079 U			
	6/16/2005 2,4,6-Trinitrotoluene 0.079 U			
	6/16/2005 2,4-Dinitrotoluene 0.079 U			
	6/16/2005 Methylene chloride 0.27 U			
	6/16/2005 RDX 0.079 U			
	6/16/2005 Trichloroethene 0.15 U			

Table 2-3
Water Supply Well Sampling Locations and Descriptions
March Sampling Event

Water Supply Well	Sample ID	Sample Location Description	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
29	029-032006	Kitchen sink	E, V	493553	2632818
29A	029A-032006	Spigot behind house on west side	E, V	494120	2632506
50A	050A-032006	Faucet	E, V	495657	2632261
50B	050B-032006	Faucet, south side of house	E, V	496332	2632399
51	051-032006	Sillcock, east side of house	E, V	497399	2632494
51A	051A-032006	Outside spigot	E, V	498189	2632594
52A ¹	052A-B-032006	Basement, before GAC units	TSS, E, V	497518	2629718
52A	052A-032006	Basement, between GAC units	E, V	497518	2629718
52B	052B-032006	Sillcock, west side of house	E, V	496817	2632452
52C ¹	052C-B-032006	Before first GAC unit	TSS, E, V		
52C	052C-032006	After first GAC unit	E, V		
53 ¹	053-B-032006	Before first GAC unit	TSS, E, V	501678	2632682
53	053-032006	After first GAC unit	E, V	501678	2632682
54 ¹	054-B-032006	Basement, before GAC units	TSS, E, V	502782	2632795
54	054-032006	Basement, between GAC units	E, V	502782	2632795
55	055-032006	Sillcock in front of house (east side)	E, V	502159	2636409
56	056-032006	Hydrant by horses	E, V	504584	2633233
57	057-032006	Spigot, south side of house	E, V	506221	2631593
58	058-032006	Spigot, east side of white pump box	E, V	508317	2629362
59	059-032006	Kitchen sink, remove aerator	E, V	505914	2632317
60	060-032006	Outside hydrant, north of house by paddock	E, V	506720	2632396
61	061-032006	Basement before softener	E, V	505448	2633182
62	062-032006	Outside N of house spigot before softener	E, V	506004	2633401
65	065-032006	Hydrant southeast side of barn	E, V	491734	2614640
66	066-032006	Hydrant northwest of house near shed	E, V	492959	2616348
67	067-032006	Hydrant east of house under windmills	E, V	492635	2617043
68	068-032006	Hydrant south of barn (rev next to house)	E, V	493041	2618954
89	089-032006	Faucet on south side of garage	E, V	509317	2629604
91	091-032006	Hydrant south side of building	E, V	505420	2634717
92	092-032006	Hydrant south of house by kennel	E, V	504970	2634886
97	097-032006	Sillcock in back of building	E, V	496114	2637891
100	0100-032006	Sillcock in back of building (east side)	E, V	495185	2615279
106	0106-032006	Sillcock east side of house	E, V		
UNFL-27	UNFL-027-092006	Pump House	E, V	510015	2618683
UNFL-10A	UNFL-023-092006	Pump House	E, V	503105	2605889
UNFL-9A	UNFL-09A-092006	Pump House	E, V	510413	2613507

Notes:

¹ Denotes sample point before GAC treatment, sample ID uses a "-B" to designate the same VOC by EPA Method 524.2 and Explosives by EPA SW-846 Method 8330

GAC = Granular Activated Carbon

GPS locations are general not for other use

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

TSS = Total Suspended Solids

Table 2-4
Water Supply Well Sampling Locations and Descriptions
June Sampling Event

Water Supply Well	Sample ID	Sample Location Description	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
50B	050B-092006	Faucet, south side of house	E, V	496332	2632399
51	051-092006	Sillcock, east side of house	E, V	497399	2632494
51A	051A-092006	Outside spigot	E, V	498189	2632594
52B	052B-092006	Sillcock, west side of house	E, V	496817	2632452

Notes:

VOC by EPA Method 524.2 and Explosives by EPA SW-846 Method 8330

GAC = Granular Activated Carbon

GPS locations are general not for other use

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

TSS = Total Suspended Solids

Table 2-5
Water Supply Well Sampling Locations and Descriptions
September Sampling Event

Water Supply Well	Sample ID	Sample Location Description	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
27	027-092006	Hydrant, south side of house	E, V	491314	2633452
29	029-092006	Kitchen sink	E, V	493553	2632818
29A	029A-092006	Spigot behind house on west side	E, V	494120	2632506
32	032-092006	Hydrant on southeast corner of house	E, V	493237	2629736
34	034-092006	Sillcock on northeast corner of house	E, V	493445	2627371
36	036-092006	Spigot east side of house	E, V	492605	2622751
50A	050A-092006	Faucet	E, V	495657	2632261
50B	050B-092006	Faucet, south side of house	E, V	496332	2632399
51	051-092006	Sillcock, east side of house	E, V	497399	2632494
51A	051A-092006	Outside spigot	E, V	498189	2632594
52A ¹	052A-B-092006	Basement, before GAC units	TSS, E, V	497518	2629718
52A	052A-092006	Basement, between GAC units	E, V	497518	2629718
52B	052B-092006	Sillcock, west side of house	E, V	496817	2632452
52C ¹	052C-B-092006	Before first GAC unit	TSS, E, V		
52C	052C-092006	After first GAC unit	E, V		
53 ¹	053-B-092006	Before first GAC unit	TSS, E, V	501678	2632682
53	053-092006	After first GAC unit	E, V	501678	2632682
54 ¹	054-B-092006	Basement, before GAC units	TSS, E, V	502782	2632795
54	054-092006	Basement, between GAC units	E, V	502782	2632795
55	055-092006	Sillcock in front of house (east side)	E, V	502159	2636409
56	056-092006	Hydrant by horses	E, V	504584	2633233
57	057-092006	Spigot, south side of house	E, V	506221	2631593
58	058-092006	Spigot, east side of white pump box	E, V	508317	2629362
59	059-032006	Kitchen sink, remove aerator	E, V	505914	2632317
60	060-032006	Outside hydrant, north of house by paddock	E, V	506720	2632396
61	061-032006	Basement before softener	E, V	505448	2633182
62	062-032006	Outside spigot before softener	E, V	506004	2633401
63	063-092006	Hydrant southeast of house	E, V	508978	2633939
64	064-092006	Hydrant north of house	E, V	508313	2634110
65	065-092006	Hydrant southeast side of barn	E, V	491734	2614640
66	066-092006	Hydrant northwest of house near shed	E, V	492959	2616348
67	067-092006	Hydrant east of house under windmills	E, V	492635	2617043
68	068-092006	Hydrant south of barn	E, V	493041	2618954
73	073-092006	Hydrant north side of house	E, V	495422	2640114
74	074-092006	Hydrant west of shed	E, V	495424	2640477
75	075-092006	Hydrant south side of house	E, V	494855	2638732
76	076-092006	Hydrant south side of house	E, V	494924	2639193
77	077-092006	Hydrant south side of garage	E, V	494926	2639589
79	079-092006	Hydrant east side of house	E, V	494931	2640348
80	080-092006	Hydrant south side of house	E, V	517293	2623788
81	081-092006	Hydrant east of chicken coup	E, V	515756	2628719
82	082-092006	Hydrant southeast corner of house	E, V	516109	2624422
84	084-092006	Hydrant south side of house	E, V	510629	2633529
86	086-092006	Hydrant north of house	E, V	495576	2638562
87	087-092006	Hydrant south of horse barn	E, V	497785	2639967
89	089-092006	Faucet on south side of garage	E, V	509317	2629604
90	090-092006	Hydrant northwest corner of house	E, V	508507	2634670
91	091-092006	Faucet south side of building	E, V	505420	2634717
92	092-092006	Hydrant southeast of horses by kennel	E, V	504970	2634886
93	093-092006	Faucet south of house	E, V	504166	2638589
94	094-092006	Hydrant west of shed	E, V	504539	2638753
95	095-092006	Faucet on north side of house	E, V	497660	2640417
96	096-092006	Kitchen sink	E, V	495637	2640886
97	097-092006	Sillcock in back of building	E, V	496114	2637891
99	099-092006	Hydrant west of house	E, V	494364	2638966
100	0100-092006	Sillcock east side of building	E, V	495185	2615279
101	0101-092006	Hydrant west of house	E, V	488282	2613804
102	0102-092006	Hydrant north side of boat house	E, V	506314	2634797
103	0103-092006	Kitchen sink	E, V	498075	2639207
104	0104-092006	Kitchen sink	E, V	498343	2639997
105	0105-092006	Sillcock	E, V	494537	2640496
106	0106-092006	Sillcock east side of house	E, V		
107	0107-092006	Sillcock south of bath house	E, V		
108	0108-092006	Sillcock east side of house	E, V		

Table 2-5
Water Supply Well Sampling Locations and Descriptions
September Sampling Event

Water Supply Well	Sample ID	Sample Location Description	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
109	0109-092006	Hydrant south of house next to gate	E, V		
110	0110-092006	Sillcock south side of house	E, V		
111	0111-092006	Sillcock west side of house	E, V		
UNFL-27	UNFL-027-092006	Pump House	E, V	510015	2618683
UNFL-10A	UNFL-023-092006	Pump House	E, V	503105	2605889
UNFL-IR-12	UNFL-IR-012-092006	Pump House	E, V	506617	2602709
UNFL-9A	UNFL-09A-092006	Pump House	E, V	510413	2613507

Notes:

¹ Denotes sample point before GAC treatment, sample ID uses a "B" to designate the same VOC by EPA Method 524.2 and Explosives by EPA SW-846 Method 8330

GAC = Granular Activated Carbon

GPS locations are general not for other use

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

TSS = Total Suspended Solids

Table 2-6
Water Supply Well Sampling Locations and Descriptions
December Sampling Event

Water Supply Well	Sample ID	Sample Location Description	Required Analyses	GPS Location Northing (NAD 83 SP feet)	GPS Location Easting (NAD 83 SP feet)
50B	050B-122006	Faucet, south side of house	E, V	496332	2632399
51	051-122006	Sillcock, east side of house	E, V	497399	2632494
51A	051A-122006	Outside spigot	E, V	498189	2632594
52B	052B-122006	Sillcock, west side of house	E, V	496817	2632452

Notes:

VOC by EPA Method 524.2 and Explosives by EPA SW-846 Method 8330

GAC = Granular Activated Carbon

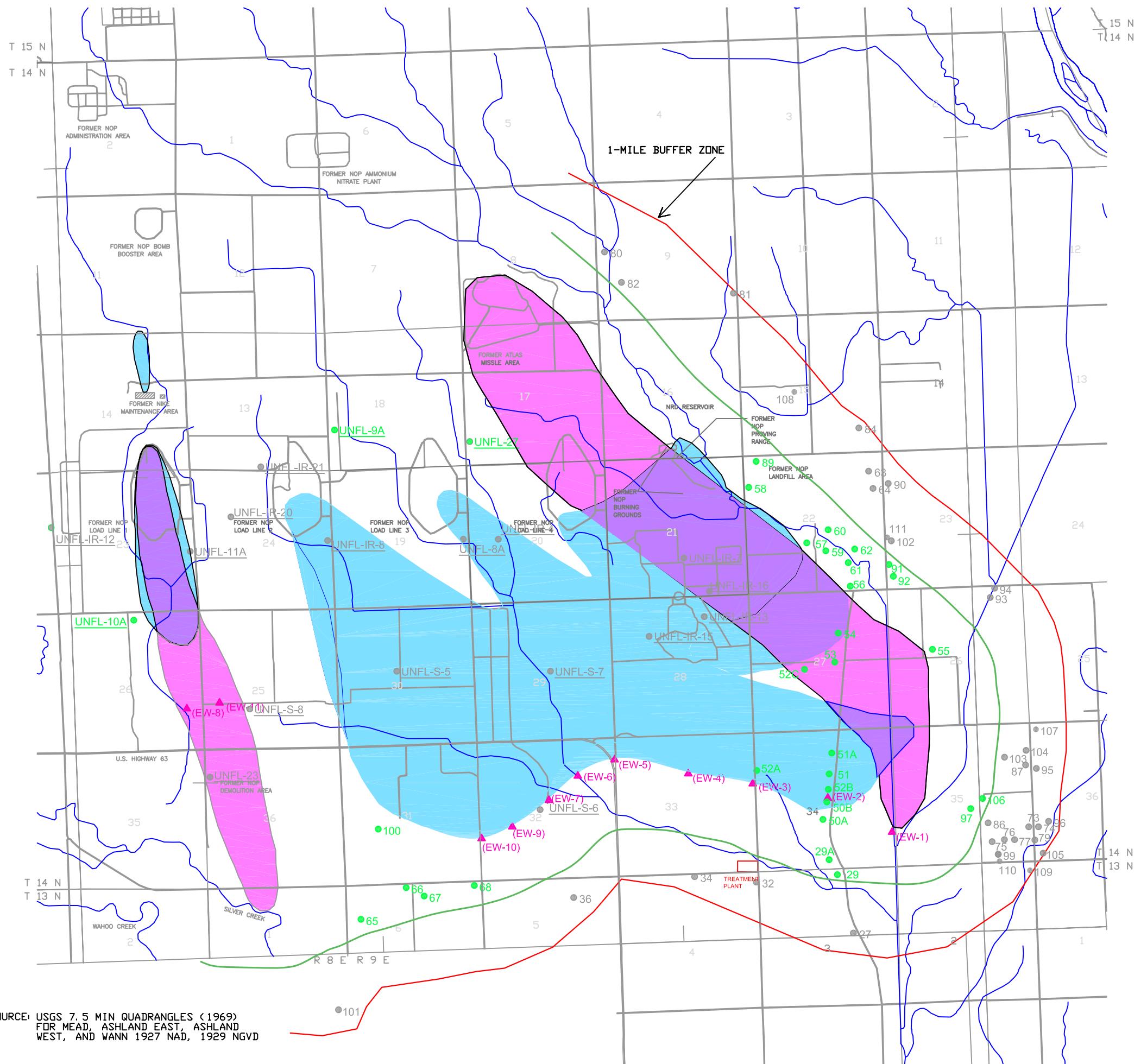
GPS locations are general not for other use

Analyses Required:

E = explosive compounds (contaminants of concern: TNT, TNB, 2,4-DNT, and RDX)

V = volatile organic compound (contaminants of concern: TCE, DCP, and methylene chloride)

TSS = Total Suspended Solids



EXPLANATION:

- 55 WATER SUPPLY WELLS SAMPLED
IN 1st QTR 2006
 - 55 WATER SUPPLY WELLS NOT SAMPLED
IN 1st QTR 2006
 - ▲ (EW-4) EXTRACTION WELLS
 -  APPROXIMATE AREA OF TCE-CONTAMINATED
GROUNDWATER (CONCENTRATIONS GREATER THAN
OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD
TO INCLUDE SEPT 2005 DATA
 -  APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED
GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR
EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L)
AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
 -  APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES
CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES
CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L
AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD
TO INCLUDE SEPT 2005 DATA

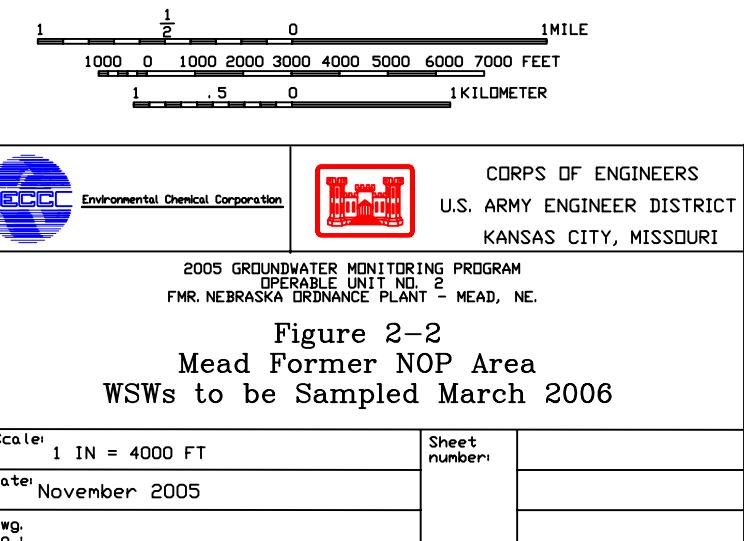
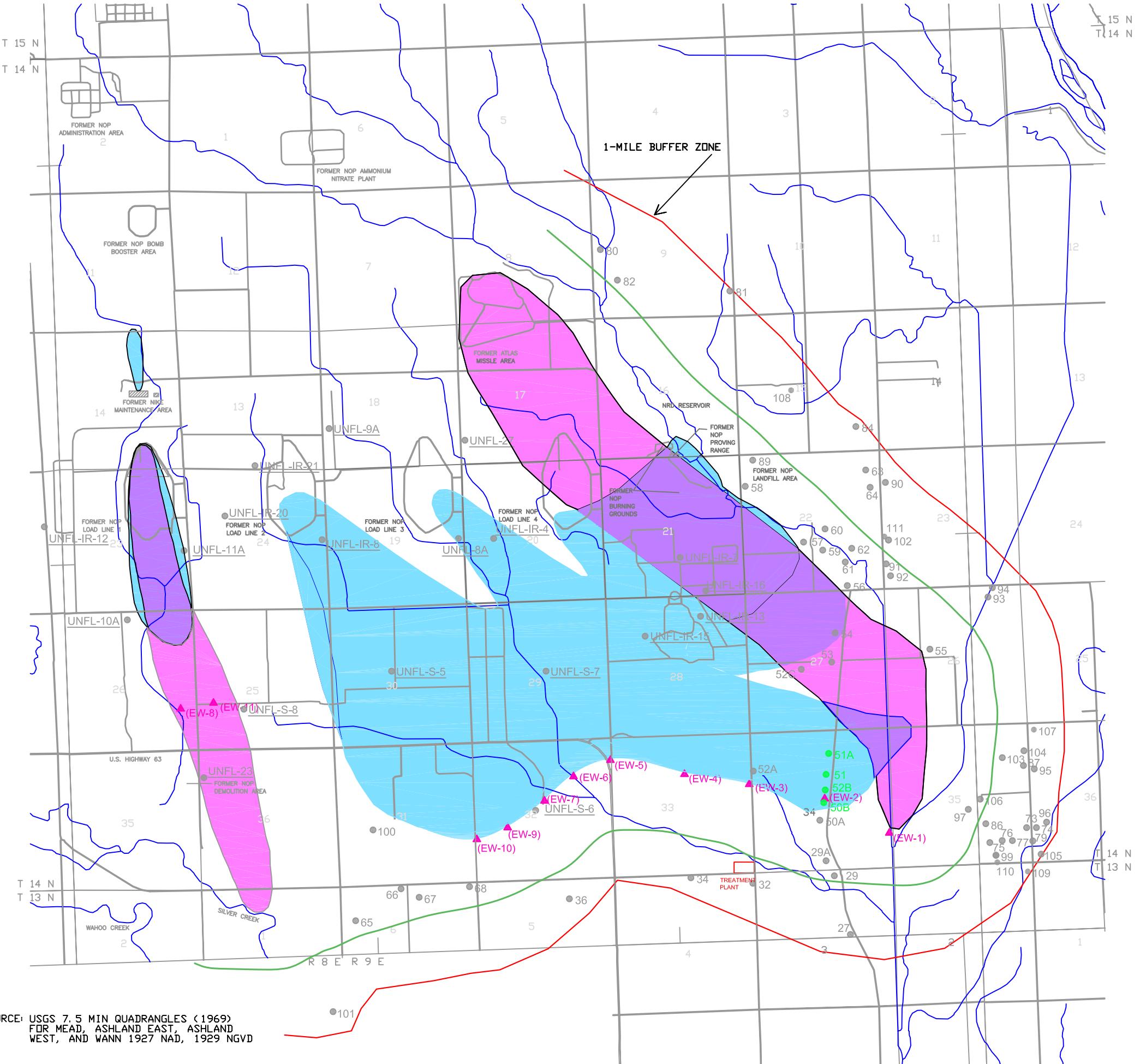


Figure 2-2
Mead Former NOP Area
WSWs to be Sampled March 2006



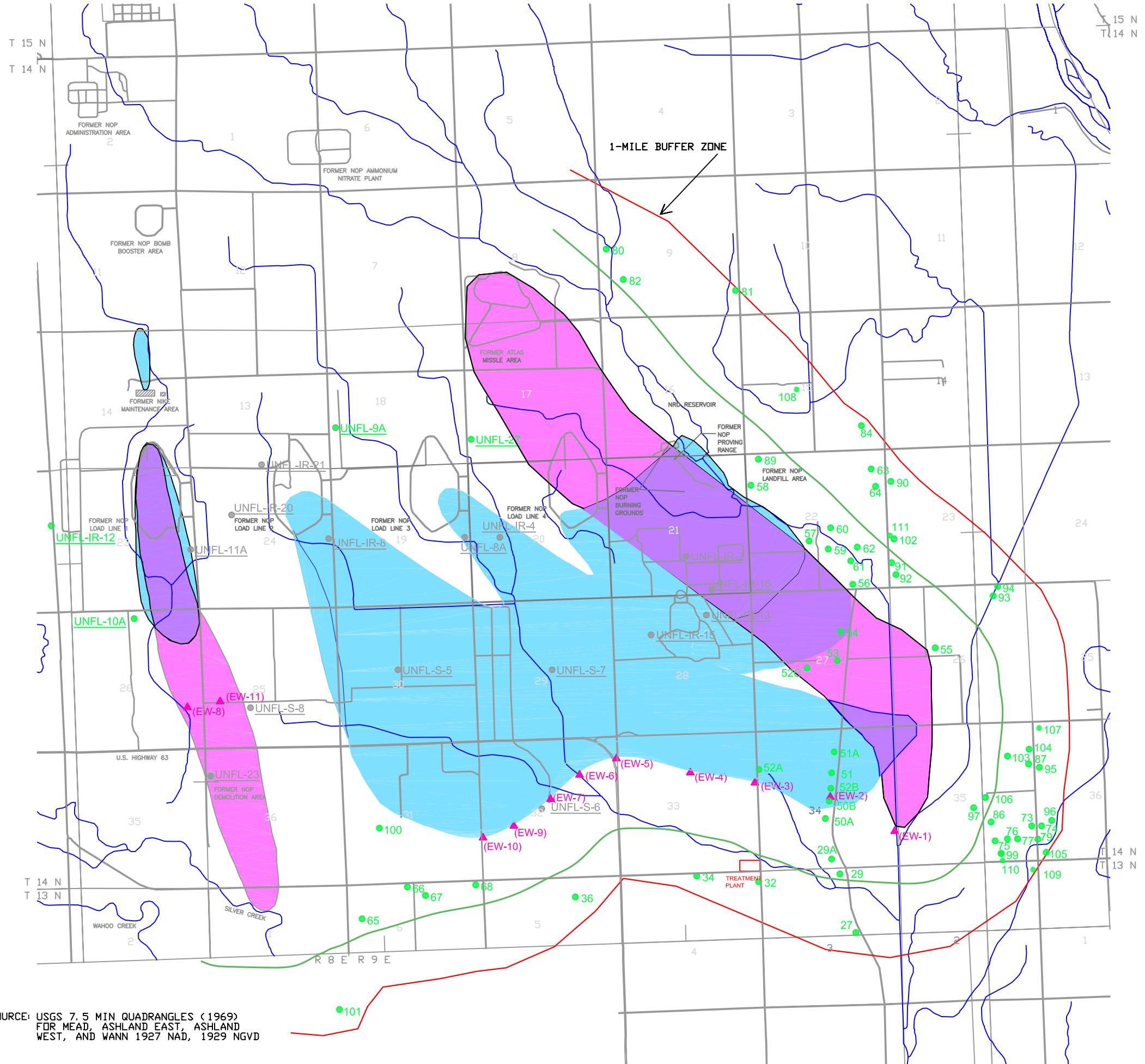
SOURCE: USGS 7.5 MIN QUADRANGLES (1969)
FOR MEAD, ASHLAND EAST, ASHLAND
WEST, AND WANN 1927 NAD, 1929 NGVD

EXPLANATION:

- 55 WATER SUPPLY WELLS SAMPLED IN 2nd QTR 2006
- 55 WATER SUPPLY WELLS NOT SAMPLED IN 2nd QTR 2006
- ▲ (EW-4) EXTRACTION WELLS
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA



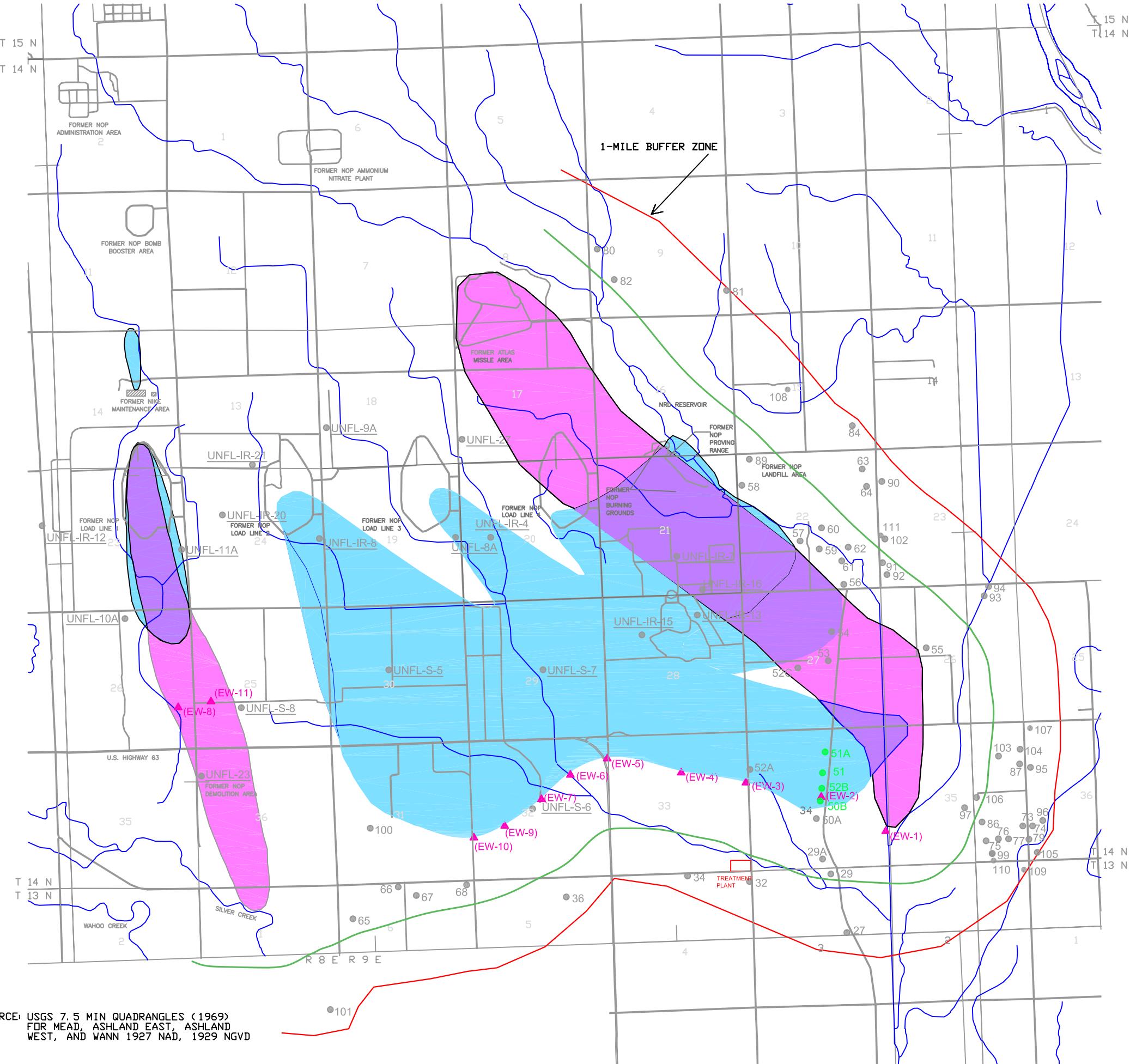
CORPS OF ENGINEERS	U.S. ARMY ENGINEER DISTRICT
ECC	KANSAS CITY, MISSOURI
2005 GROUNDWATER MONITORING PROGRAM	
OPERABLE UNIT NO. 2	
FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE.	
Figure 2-3	
Mead Former NOP Area	
WSWS to be Sampled June 2006	
Scale: 1 IN = 4000 FT	Sheet number:
Date: November 2005	
Dwg. No.:	



EXPLANATION:

- 55 WATER SUPPLY WELLS SAMPLED IN 3rd QTR 2006
- 55 WATER SUPPLY WELLS NOT SAMPLED IN 3rd QTR 2006
- ▲ (EW-4) EXTRACTION WELLS
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

	CORPS OF ENGINEERS U.S. ARMY ENGINEER DISTRICT KANSAS CITY, MISSOURI
2005 GROUNDWATER MONITORING PROGRAM OPERABLE UNIT NO. 2 FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE.	
Figure 2-4 Mead Former NOP Area WSWs to be Sampled Sept 2006	
Scale: 1 IN = 4000 FT	Sheet number:
Date: November 2005	
Dwg. No.:	



EXPLANATION:

- 55 WATER SUPPLY WELLS SAMPLED IN 4th QTR 2006
- 55 WATER SUPPLY WELLS NOT SAMPLED IN 4th QTR 2006
- ▲ (EW-4) EXTRACTION WELLS
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER (CONCENTRATIONS OF RDX GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY) AS PER THE 1997 ROD TO INCLUDE SEPT 2005 DATA

	CORPS OF ENGINEERS U.S. ARMY ENGINEER DISTRICT KANSAS CITY, MISSOURI
2005 GROUNDWATER MONITORING PROGRAM OPERABLE UNIT NO. 2 FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE.	
Figure 2-5 Mead Former NOP Area WSWs to be Sampled Dec 2006	
Scale: 1 IN = 4000 FT	Sheet number:
Date: November 2005	
Dwg. No.:	

SOURCE: USGS 7.5 MIN QUADRANGLES (1969)
FOR MEAD, ASHLAND EAST, ASHLAND
WEST, AND WANN 1927 NAD, 1929 NGVD

	CORPS OF ENGINEERS U.S. ARMY ENGINEER DISTRICT KANSAS CITY, MISSOURI
2005 GROUNDWATER MONITORING PROGRAM OPERABLE UNIT NO. 2 FMR. NEBRASKA ORDNANCE PLANT - MEAD, NE.	
Figure 2-5 Mead Former NOP Area WSWs to be Sampled Dec 2006	
Scale: 1 IN = 4000 FT	Sheet number:
Date: November 2005	
Dwg. No.:	